

INTERNSHIPS in ASTRONOMY

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LIST OF INTERNSHIPS in astronomy with small notes/descriptions/warnings, these are internships I was/am eligible for as a Serbian undergraduate student with a high GPA. This will be updated while I am interested in the subject (or when one of you shoots me an e-mail). The newest version of the list can be found here: http://bit.do/astro_internships

If you have any additional information (or questions) on the subject, please e-mail me at:
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Please note that the information regarding deadlines, payment ect. is only there to give you a clue as to what to expect and when to apply. This varies from year to year and some programs might even be discontinued.

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I am especially grateful to my two summer research mentors, **Frank van den Bosch** and **Svitlana Zhutskovska**, for giving me the chance to work on fascinating topics with exceptional people, discover astrophysics and my own interests.

Best of luck to the rest of you with your applications!

The List

1. Internships - links + overview

Yale University New Haven, US - HOFFLEIT Fellowship Summer Research Internship

-<http://www.astro.yale.edu/vlg8/hoffleitfellowship.html>

-6-8 weeks;

-housing provided in 'Historic' Dorms ♥ + 14 meals per week at dining halls + \$ 450 per week + travel reimbursement up to \$ 1000;

-Feb 15th 2014

-One page application letter + CV + two letters of reference + university transcripts

Origins of Life Initiative at Harvard Boston, MA - research grant in astronomy, chemistry or biology

-<http://origins.harvard.edu/pages/undergraduate>

-in agreement with mentor (1-2 months);

-up to \$ 5000;

-March 6th 2015

-find a mentor from the institute, agree on a research topic and e-mail CV

- Max Planck Institute of Astronomy** Heidelberg, Germany - Summer internships at MPA
http://www.mpia.de/Public/menu_q2.php?/home/goldman/public_html/Internships.html
 -one to three months;
 -about 1000 € per month + German health insurance (valid for 3 years!) + travel expenses;
 -Feb 1st 2015
 -CV + one-page motivational letter + transcripts of grades + 1-3 referees (optional) + TOEFL scores (optional)
- Max Plank Institute for Astrophysics** Garching, Germany - internship
[-http://www.mpa-garching.mpg.de/141487/Career_students#Internships](http://www.mpa-garching.mpg.de/141487/Career_students#Internships)
 -at least 4 weeks
 -nothing related to payment is mentioned
 -(at least) 2-3 months before the desired start of the internship
 -CV and cover letter
- Space Telescope Science Institute** Baltimore, Maryland - internship name
[-http://www.stsci.edu/institute/smo/students/current](http://www.stsci.edu/institute/smo/students/current)
 -June 15, 2015 until August 21, 2015;
 -\$ 600 per week + housing and traveling assistance provided (what ever that means);
 -deadline Jan 31, 2015
 -online application (3 essays + lots of questions) + 1-3 recommendation letters
- University of Maryland - NASA/Goddard + CRESST** Maryland, Washington DC - Summer Internship Program
[-http://cresst.umd.edu/Opportunities/internship.html](http://cresst.umd.edu/Opportunities/internship.html)
 -10 weeks June 1nd - August 7th; -\$ 500 per week + max \$ 500 for travel expenses;
 -February 3, 2015
 -online application
- Swinburne University of Technology** Swinburne, Australia, Vacation Scholarships in Astronomy at Center for Astrophysics and Super-computing
[-http://astronomy.swin.edu.au/study/vacstudents.html](http://astronomy.swin.edu.au/study/vacstudents.html)
 - 6-10 weeks
 -\$500 per week
 - No deadline outlined
 - A cover letter (set out why you are interested in undertaking a vacation scholarship at Swinburne and list at least two research projects you are interested in working on - list of projects available on website later) + copy of your academic record (with an explanation of the grading system used) + CV + supporting documentation of previous research (optional)
- Dunlap Institute for Astronomy and Astrophysics** Toronto, Canada - Summer Undergraduate Research Program
[-http://www.dunlap.utoronto.ca/education/surp/](http://www.dunlap.utoronto.ca/education/surp/)
 -16 weeks;
 -there is a \$ 500 registration fee that covers 2 meals per day, accommodation and programme content // you may apply for a tuition waivers and travel allowance - this is the only programme on this list that requires the participant to pay;
 -January 30th 2015
 -academic transcript, CV, short essay + one letter of recommendation

California Institute of Technology Pasadena, US - CalTech's Summer Undergraduate Research Fellowships

-http://sfp.caltech.edu/programs/surf/program_description

- 10 weeks (mid-June to late August);

-\$ 600 per week;

- February 22nd 2014

- online application available after successfully finding a mentor

Laser Interferometer Gravitational-Wave Observatory location - LIGO Summer Undergraduate Research Fellowship

-http://labcit.ligo.caltech.edu/LIGO_web/students/SURF/apply/application-overview.shtml

-10+ weeks, starting mid-June;

-\$ 400

-February 1st

-online application + one reference letter

University of Tokyo Research Internship Program Tokyo, Japan - UTRIP

-<http://www.s.u-tokyo.ac.jp/en/utrip/apply-now/#check1>

-June 11 to July 22 OR July 1 to August 11;

-payment estimate unclear;

-3 March 2015 - deadline

-personal information + personal statement (700-1000 words) + CV + Eng Qualifications + Academic transcript + referrer information

Leiden Observatory Leiden, Netherlands - The Leiden/ESA Astrophysics Program for Summer Students (LEAPS) 2015

-<http://www.strw.leidenuniv.nl/summerstudents/>

-10-12 weeks;

-small stipend + housing provided + travel costs covered (no specific amounts specified, one participant, a Princeton student, states that it was more than enough);

-Feb 6th 2015

-pick 1-3 listed projects + one-page motivational letter (focus on details of previous research, topics of interest in astrophysics) + contact details of ONE academic (letter of reference) + transcript of grades + CV (optional)

Dwingeloo Observatory Westerveld, Netherlands - ASTRON/JIVE Summer Student Programme *(Focus on Radio-astronomy)

-<http://www.astron.nl/astronomy-group/astronjive-summer-student-programme>

-10-12 weeks starting in early June;

-limited number of grants (no specific amount mentioned);

-February 9th 2015

-two references + apply at <http://www.astron.nl/summerstudent/>

Astronomical Observatory in Padova Padova, Italy - PROGETTI DI TIROCINIO PRESSO L'OSSERVATORIO ASTRONOMICOMICO DI PADOVA – INAF (some offered in Italian others in English) -<http://www.fim.unimore.it/site/home/servizi-agli-studenti/ufficio-stage/offerta-stage-area-fisi-articolo150026186.html>

-150-200 working hours - around 6 months of work;

-projects are listed as they become available - to apply and learn more about the terms under you would be working e-mail the "office of internships"/"l'ufficio stage"

The University of Valencia Valencia, Spain - MultiDark Student Summer Programme

-http://www.multidark.es/index.php?option=com_content&view=article&id=44&Itemid=11&lang=en

-negotiated

-nothing mentioned

-June 4th 2014

-statement of research interests, the proposed period, CV and student records, one letter of recommendation

Instituto de Astrofísica de Canarias - IAC Canary Islands, Spain - introduction to Astrophysical research grants

-<http://www.iac.es/estudiantes.php?op1=131&op2=417&lang=en>

-roughly 1st of July to 15th of September;

-about 700 € per month + health insurance + travel allowance;

-February 26th 2014

-online application (+ two references and research idea/proposal/sketch

Weizmann Institute Rehovot, Israel - Kupcinet-Getz International Summer school

-<http://www.weizmann.org.uk/the-kupcinet-getz-international-summer-school/>

-8 weeks long (28 June – 20 August 2015);

-NIS 500 per week + accommodation on campus;

-December 31st 2014

-online application, transcripts + letter of motivation + 1 or 2 reference letters from lecturers sent to undergraduate.summer@weizmann.ac.il //there is a 5MB limit for all documents - and this can be tricky to fulfill

The Lunar and Planetary Institute Houston, US - Summer Intern Program

<http://www.lpi.usra.edu/lpiintern/>

10-week program that runs from June 2, 2014–August 8, 2014

-\$5,000.00 stipend + \$1,500 foreign travel reimbursement for foreign interns

Deadline: January 17, 2014

National Radio Astronomy Observatory (US) Socorro, NM or Green Bank, WV or Charlottesville, VA - Undergraduate Summer Student Research Assistantship

-<https://science.nrao.edu/opportunities/student-programs/summerstudents>

-10-12 weeks (early June to mid-August)

-\$657 per week + up to \$900 travel reimbursement + up to \$300 for first week of lodging;

-On-line application + copies of transcripts (unofficial) + Letters of recommendation (no. unknown)

-deadline: February 1, 2014

-note: At the end of the summer, participants present their research results as a short talk and submit a written report. Often, these projects result in publications in scientific journals. Financial support is available for students to present their summer research at a meeting of the American Astronomical Society, generally at the winter meeting following their appointment

Department of Physics, King's College London London, UK - research internship

-<http://www.kcl.ac.uk/nms/depts/physics/research/Research-Internships-.aspx>

-unspecified dates;

-payment estimate unspecified;

-no deadline given

-motivational letter (who to work with and on what) + CV + transcripts + names of academic referees send to julia.kilpatrick@kcl.ac.uk

Nicolaus Copernicus Astronomical Center Polish Academy of Sciences Warsaw, Poland - Summer student programme

-<https://www.camk.edu.pl/en/archiwum/2015/03/19/summer-student-programme-2015/>

-4-6 weeks;

-apply for (cheap) student lodging + possible remuneration from advisor/grant;

-May 4th 2015 (someone likes Star Wars)

-Applications should be SENT BY POST after finding a mentor and setting the dates with him/her

Cardiff University Cardiff, UK - Summer Internships (list of multiple research fields to choose from)

-<http://blogs.cardiff.ac.uk/physicsoutreach/summer-internships-2015/>

-4-8 weeks;

-£1000 per month;

-May 3rd 2015

-Unofficial transcript, CV, two letters of reference

Isaac Newton Group of Telescopes La Palma, Spain -

-<http://www.ing.iac.es/astronomy/science/studentship.html>

-One year;

-"monthly stipende during stay" + Financial support for travelling to La Palma and accomodation for whole year are provided;

-31. March 2016

-European citizen who is persuing a PhD, MSc or final year of undergrad studies, working knowl- edge of english, working knowledge of Linux/UNIX and IRAF, Driving license, CV, two e-mails for letters of recommendations

2. LIST OF OTHER LISTS

<http://www.pathwaystoscience.org/> searchable list of internships for many fields and stages of education

<http://www.astro.umd.edu/undergrad/ugresearch.html>

<http://www.amnh.org/learn-teach/post-secondary/internships-for-college-and-graduate-stud>

http://astro.berkeley.edu/research/undergrad/research_at_berkeley.php list of poten- tial Research Opportunities at Berkeley

3. Things to look up soon / PhD and grad school related/ Useful(?) links

<https://aas.org/jobs/summer-opportunities> list kept by American Astronomical Soci- ety - mostly for US citizens

<http://www.lsst.org/lsst/scibook> check out later + book has (over 50) PhD project pro- posals

<http://astrobites.org/category/career-navigation/>

<http://www.astronomy.ohio-state.edu/~kstanek/howgrad.html>

<http://www.thinkswiss.org/genevemeetsnewyork/>

<http://www.mrtc.mdh.se/euroweb/index.php?choice=apply&choice1=online>

<http://www.ucl.ac.uk/mathematical-physical-sciences/about-the-faculty/summer-scholarship-international> check it out - possible research opportunity
<http://scienceblogs.com/startswithabang/2012/10/10/hey-physics-astronomy-professors->
<http://web.mit.edu/physics/prospective/programs/msrp.html>
<http://www.astrobetter.com/wiki/tiki-index.php?page=Summer+Internships>
<http://hipacc.ucsc.edu/> - no info for 2015...discontinued?

4. Since you made it this far..

if you want more help with your application (CV, cover letter review or interview tips) feel free to contact me. I got internship offers from MPIA Heidelberg (accepted), LIGO, Leiden, UTRIP, Harvard and Yale(accepted), so I guess I am doing something right. :)

P.S. If I do not reply within a week or two, I probably got sidetracked - so just send me a reminder.