

Caspar Lant

206 Front Street, Brooklyn, New York 11201, USA
+1 646 934 8393 — caspar@nyu.edu

EDUCATION

Bachelor of Science, Physics, Computer Science Minor

New York University, New York, NY

- Expected Graduation: May 2019
- Dean’s Undergraduate Research Fund (DURF) Grant Recipient
- Tuition covered by NYU
- Society of Physics Students

Advanced Honors Regents Diploma,

Stuyvesant High School, New York City, June 2014

EXPERIENCE

May – Aug 2017

Leibnitz Institute for Surface Modification (IOM), Berlin, Germany

DAAD RISE Fellow and DURF Scholar

- Project title: Liquid Jet Photoelectron Spectroscopy Experiments with Synchrotron Radiation
- Summer research under Dr. Uwe Hergenhausen and Clemens Richter as part of the German Academic Exchange Service’s (DAAD) RISE Scholarship

Sept 2016 –
Feb 2017

EMIL@BESSY II, Helmholtz Zentrum, Berlin, Germany

Researcher

- Research in metal-induced crystallization of silicon under Dr. Simone Raoux
- Sputter deposition in ultrahigh vacuum, training in analytic methods used for the characterization of energy materials
- The Energy Materials In situ Laboratory (EMIL) is a joint venture between the Helmholtz Association and the Max Planck Society

Sept 2016

Atonal Music Festival, Berlin, Germany

Lighting Assistant

- Setup and teardown of large-scale lighting rig designed by Andrej Boleslavsky

Jan – July 2016

Physics Department, New York University, New York, NY

Researcher

- Research in giant magnetoresistance under Dr. Andrew Kent
- Wire-bonding, soldering, circuit board and interface fabrication
- Investigation of the thermal stability of cobalt-nickel nanopillars

July – Aug 2015

Altova Softwarehaus, Vienna, Austria

Quality Assurance Intern

- Designed unit tests for Java SE 8 compatibility in Altova software products

June – Aug 2014

Ciclopia Bicycle Shop, Vienna, Austria

Mechanic and Salesperson

2013 – 2014

Redbeard Bikes, Brooklyn, NY

Mechanic and Salesperson

2013 – 2016

Face The Music, New York, NY

Student-Teacher and Musician

- Worked with professional ensembles to perform contemporary-classical music in multiple New York venues

Nov – June 2013

Brooklyn Museum, Brooklyn, NY

Work/Study und Teaching Assistant – “Creative Constructions”

- Teaching assistant to professional artists in exchange for a studio art class and access to museum galleries

SKILLS

Programming Languages: Java, Python, C, Bash, Swift, L^AT_EX

Tools: Git, Linux, MaxMSP, LabView, NumPy/SciPy, IGOR, Origin

Spoken Languages: English, German, Chinese (Elementary)