

David Joshua Klein

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EDUCATION

Bachelor of Arts in Biology – New York University September 2014 – Present

- Recipient of NYU's Fall 2017 DURF grant for undergraduate research
- Minors in Chemistry, Computer Science, and Hebrew & Judaic Studies
- Expected graduation in May 2018

High School – Los Altos High School August 2010 – June 2014

- Advanced Placement courses in Biology, Calculus, and Psychology
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EXPERIENCE

New York University – Biology Research Intern March 2017 – Present

- Interning in the Siegal Lab for evolutionary systems biology in the Biology Dept. under Prof. Mark Siegal
- Programming Python code to control lasers that measure optical density, analyze the data to dynamically measure cell growth rates, and determine optimal nutrient amounts to deliver to cells
- Previous research project involved programming Python and Bash scripts to transfer and monitor tens of thousands of microscope images to NYU's HPC network for data analysis

UC San Francisco – Otolaryngology Research Intern Summers of 2016 and 2017

- Interned in the Biomagnetic Imaging and Speech Neuroscience Labs under Dr. Steven Cheung
- Principal producer of somatosensory probes via surgical techniques, used for sensory threshold testing in speech neuroscience experiments
- Collected and analyzed data with Excel, R, and Matlab for research (publication pending)
- Coordinated research subjects for vocal paralysis experiments including MRI, MEG, EEG, and speech & psychoacoustic tests

Tel Aviv University – Biology Research Intern January 2016 – May 2016

- Interned in a microbial fuel cell research lab in the Porter School under Prof. Judith Rishpon
 - Monitored and maintained microbial fuel cells, collected and analyzed produced data including pH, conductivity, voltage, chemical oxygen demand, nutrient levels, and ammonium concentrations
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LEADERSHIP

NYU BUGS Open Source Club – Co-founder, Treasurer August 2017 – Present

- Co-founded Club to promote and practice open source through projects and education
- Manage finances and budgeting, and handled Club communications

NYU Red Cross Club – Treasurer August 2017 – Present

- Manage finances such as charitable donations for the Club's various philanthropic events

NYU College of Arts and Sciences – Cohort President August 2015 – May 2016

- Budget management, activity planning, student resource, and leadership development
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VOLUNTEERING

Weill Cornell NY Presbyterian – Neurology Volunteer December 2017 – Present

- Provide basic living assistance and emotional support to patients with neurological conditions
 - Tasks include friendly visits, mobilization and mealtime assistance, and recreational activities
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SKILLS

Natural Languages

- Fluent in English, medium proficiency in Spanish, limited proficiency in Hebrew

Programming Languages

- Proficient in Bash, Java, Python, C, R, Matlab, HTML, CSS

Tools

- Microsoft Office, Adobe Photoshop & Premiere, Affinity Photo & Designer, Git & GitHub, IDEs & Debugging, Unix Terminal, and Raspberry Pi computers