

David Joshua Klein

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EDUCATION

- Bachelor of Arts in Biology – New York University September 2014 – May 2018
- Recipient of NYU's Fall 2017 DURF grant for undergraduate research
 - Minors in Chemistry, Computer Science, and Hebrew & Judaic Studies
- 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
- Interned in the Siegal Lab for evolutionary systems biology in the Biology Dept. under Prof. Mark Siegal
 - Built an automated pipeline in Python to dynamically estimate the growth rates of growing liquid yeast culture in real time, giving researchers an estimate of the current fitness of the population
 - Previous research project involved programming Python and Bash scripts to automatically 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 – May 2018
- 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 – May 2018
- 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 – May 2018
- 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

Software Programs

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