

David Joshua Klein

230 Portola Court • Los Altos, CA 94022 • Phone: 650-861-2834
kleinj david@gmail.com • github.com/KEYS248 • linkedin.com/in/kleinj david • kleinj david.com

EDUCATION

- Bachelor of Arts – New York University September 2014 – Present
- Recipient of NYU's Fall 2017 DURF grant for undergraduate research
 - Major in Biology, 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
-

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. 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 heavy data analysis
- UC San Francisco – Otolaryngology Research Intern Summer of 2016 and 2017
- Interned in the Biomagnetic Imaging and Speech Neuroscience Labs under Dr. Cheung
 - Principle 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 paper publishing
 - Research subject coordination for vocal paralysis experiments undergoing 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. Rishpon
 - Monitored and maintained microbial fuel cells, collected and analyzed produced data including pH, conductivity, voltage, chemical oxygen demand, nutrient levels, and ammonium concentrations
 - Wrote a research paper to fulfill credit towards a Biology elective for my Bachelor degree
-

LEADERSHIP

- NYU BUGS Open Source Club – Treasurer August 2017 – Present
- Helped found this club to promote and practice open source through projects and education
 - Manage finances such as reimbursements and budgeting along with handling club communications
- NYU Red Cross Club – Treasurer August 2017 – Present
- Manage finances such as charitable donations for our various philanthropic events
- NYU College of Arts and Sciences – Cohort President August 2015 – May 2016
- Budget management, activity planning, student resource, and leadership development
-

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
-

SKILLS

Natural Languages

- Fluent in English, limited proficiency in Spanish and Hebrew

Programming Languages

- Bash, Java, Python, C, Assembly, R, Matlab, HTML, CSS

Tools

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