David Joshua Klein

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EDUCATION

Bachelor of Arts – New York University   September 2014 – Present
- o   Recipient of NYU's Fall 2017 DURF grant for undergraduate research
- o   Major in Biology, Minors in Chemistry, Computer Science, and Hebrew & Judaic Studies
- o   Expected graduation in May 2018

High School – Los Altos High School   August 2010 – June 2014
- o   Advanced Placement courses in Biology, Calculus, and Psychology

EXPERIENCE

New York University – Biology Research Intern   March 2017 – Present
- o   Interning in the Siegal Lab for evolutionary systems biology in the Biology Dept. under Prof. Siegal
- o   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
- o   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
- o   Interned in the Biomagnetic Imaging and Speech Neuroscience Labs under Dr. Cheung
- o   Principle producer of somatosensory probes via surgical techniques, used for sensory threshold testing in speech neuroscience experiments
- o   Collected and analyzed data with Excel, R, and Matlab for research paper publishing
- o   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
- o   Interned in a microbial fuel cell research lab in the Porter School under Prof. Rishpon
- o   Monitored and maintained microbial fuel cells, collected and analyzed produced data including pH, conductivity, voltage, chemical oxygen demand, nutrient levels, and ammonium concentrations

LEADERSHIP

NYU BUGS Open Source Club – Treasurer   August 2017 – Present
- o   Helped found this club to promote and practice open source through projects and education
- o   Manage finances such as reimbursements and budgeting along with handling club communications

NYU Red Cross Club – Treasurer   August 2017 – Present
- o   Manage finances such as charitable donations for our various philanthropic events

NYU College of Arts and Sciences – Cohort President   August 2015 – May 2016
- o   Budget management, activity planning, student resource, and leadership development

VOLUNTEERING

Weill Cornell NY Presbyterian – Neurology Volunteer   December 2017 – Present
- o   Provide basic living assistance and emotional support to patients with neurological conditions
- o   Tasks include friendly visits, mobilization and mealtime assistance, and recreational activities

SKILLS

Natural Languages
- o   Fluent in English, limited proficiency in Spanish and Hebrew

Programming Languages
- o   Bash, Java, Python, C, Assembly, R, Matlab, HTML, CSS

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