

# Joey Hejna

Berkeley / Palo Alto CA | 650-404-7775 | jhejna@berkeley.edu | github.com/jhejna | linkedin.com/in/joeyhejna

## Education

### UNIVERSITY OF CALIFORNIA, BERKELEY | 4.0 GPA

CLASS OF 2021

Major: B.S. in Electrical Engineering and Computer Science

- Relevant coursework: Programming Abstractions, Linear Algebra, Information Systems, Data Structures & Algorithms

### STANFORD UNIVERSITY | 4.0 GPA

SUMMER 2016

- Relevant Coursework: Client-side Internet Technologies, Differential Equations for Engineers

## Professional Experience

### RESEARCH ASSISTANT | STANFORD UNIVERSITY

SUMMER 2016

- Utilized Python's Natural Language Toolkit to parse and clean 1.3 Terabytes of Corporate 10K and 10Q filings.
- Formed bigram datasets uses to predict corporate donation tendencies based on language
- Created a web-based visualizer using JavaScript, SQL, and Google Charts API to allow researchers to view changes in word usage frequency over time, filtered by industry or location.

### HEAD SAILING INSTRUCTOR | SHORELINE LAKE

2015-2017

- Directed staff of twelve employees to run effective youth summer camps and adult workshops for tech firms.

## Personal Experience, Activities, and Volunteer Work

### ANDORID DEVELOPER | PROJECT MANAGER | MOBILE DEVELOPERS OF BERKELEY

2017

- Developed Streamline – a social mobile application for sharing music using the Spotify API. Designed layout for app screens and interfaced with API for token authentication and streaming. Implemented Firebase for data / post storage. The App is downloadable on the google play store.
- Project Manager for Streamline – lead team of two other android developers. Guided the ideation process, implementation of features, and organized deliverables utilizing principles of agile development.
- Prototyped multiple Android apps using Firebase Storage / Authentication and android studio.

### CAPTAIN | FIRST ROBOTICS TEAM 114

2015-2017

- Lead team of over thirty students through the build process of two full sized competition robots.
- Designed more than two-hundred solid-works components and fabricated on mill, lathe, and 3D printers
- Built drive system with independently rotating wheels in addition to pneumatic and flywheel systems
- Assisted in creation of vision targeting system with NVIDIA Jetson, OpenCV, and C++
- Spearheaded championship robot designs, winning 1<sup>st</sup> place at the 2017 Ventura Robotics competition and competing at the 2017 First Robotics Championship and 2016 Quarterfinals at Silicon Valley Robotics comp.

### CAPTAIN, VICE PRESIDENT | MVLA SPEECH AND DEBATE

2015-2017

- Competed nationally, ranking 42<sup>nd</sup> in CA, one of two-hundred to compete at 2016 UK Tournament of Champions, 1<sup>st</sup> speaker awards at UOP and La Costa Invitational tournaments of over a hundred and fifty competitors.
- Ran team practices, managed online prep systems, fostered communication, coached new championship teams
- Head of middle school outreach, taught and designed curriculum for debate classes across two school districts.

### WEB DEVELOPMENT

2015-PRESENT

- Created modern personal / portfolio website [joeyhejna.com](http://joeyhejna.com) utilizing Bootstrap, jQuery, SCSS technologies.
- Web Manager for Beyond Fistula - Created and maintained WordPress website for non-profit providing aid to women in Kenya post fistula surgery from 2015 to 2016

## Skills & Distinctions

### PROGRAMMING

- Java, Python, JavaScript, HTML, CSS, Android Studio, Natural Language Processing, Unix, R, PHP, C++

### ENGINEERING

- SolidWorks 3D CAD, mill lathe 3D printer & laser cutter fabrication, Matlab, diff eq, multivariable calc, stats

### ACADEMIC DISTINCTIONS

- UC Berkeley Regents and Chancellors Scholarship, 2017 Rambus Innovator of the Future Scholarship