Alan Guo

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EDUCATION

Duke University   **Expected May 2017**
B.S. in Electrical & Computer Engineering and Computer Science   **Durham, NC**
GPA: 3.5/4.0; SAT: 2300

WORK EXPERIENCE

Veeva Systems   **June 2016 – August 2016**
Software Engineering Intern   **Pleasanton, CA**
- Developed a network monitoring web application using AngularJS, Java, and MySQL, which stored hundreds of network process statuses a day, analyzed the statuses based on different types of errors, and displayed daily report of most critical statuses out of 150 statuses on the user interface
- Designed automation of reading through a list of statuses and categorizing them by hand by developing code to analyze the statuses and automatically send out a daily email update to managers
- Proposed and implemented a scheduler with ability to schedule multiple customized tasks at any weekly, daily, or hourly schedule

Bergin Lab   **September 2015 – Present**
Electrical Engineering Intern   **Durham, NC**
- Led the hardware and software design of a low cost air quality sensor package using microcontrollers and a variety of sensors to collect various measures of air quality with a budget of $1000 per package
- Built and deployed 6 of these air quality sensor packages in Shanghai to test air quality for a research on the effect of air quality on asthmatic Chinese students
- Reduced cost by 40% when comparing projected cost with actual cost of built and functional package

EXTRACURRICULAR

Undergraduate Teaching Assistant - Operating Systems   **June 2016 – Present**
- Worked with and taught students through review sessions and office hours held for students needing help with operating systems projects and concepts

Rowcord   **June 2016 – Present**
- Developed front end of web app, using AngularJS, aimed at helping organization of rowing teams and practices, catering specifically to the unique workouts and structure of a rowing team

Liftmo   **July 2015 – Present**
- Oversaw creation of android interface, using Java and Android Studio, for fitness application that records user weight lifting regimens and include helpful workouts and instructions

Duke Men's Rowing   **August 2013 – Present**
- Committed all 4 years at Duke to Duke Men's Rowing
- Served on the executive board for 2 years, one as equipment manager and one as secretary
- Managed equipment with costs in the $10,000+ range within a budget of upwards of $100,000 funded by student dues, alumni donations, and fundraising

LANGUAGES AND TECHNOLOGIES

Proficient: Java, HTML/CSS, AngularJS, MATLAB, Git, Unix/Bash
Casual: ReactJS, MySQL, Python, C/C++, Android Studio, Verilog, VDHL, MIPS