

# Harrison Matthew Kaiser

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## Objective

To obtain an internship working at the interface between hardware and software that utilizes my skills in coding, math and electrical engineering and that provides a practical perspective on my studies in computer science and electrical engineering.

## Education

### **BS IN EE & CS | PROJECTED CLASS OF 2019 | TUFTS UNIVERSITY**

- Major: Electrical Engineering and Computer Science
- Minor: Math
- Related coursework:
  - o Computer Science:
    - Machine Structures and Assembly Language Programming, Data Structures, Web Programming, Algorithms, Computational Theory, Algorithms, Special Topics in Algorithms and Data Structures
  - o Electrical Engineering
    - Intro to Electrical Circuits, Intro to Digital Electronics, Electronics 1, Intro to Digital Logic
  - o Math
    - Calculus III, Differential Equations, Linear Algebra, Discrete Math, Mathematical Modeling, Complex Variables

### **HIGH SCHOOL | JUNE 2015 | CONCORDIA INTERNATIONAL SCHOOL SHANGHAI, CHINA**

## Skills & Abilities

### **PROGRAMMING**

- Proficient in C, C++, Python, JAVA, LATEX, MATLAB, csh Shell, bash Shell, emacs
- Web Experience in jQuery, nodeJS, MongoDB, HTML, CSS, Javascript

### **POLYHACK | TUFTS UNIVERSITY | OCTOBER '15 & '16**

- Developed a programming language in C for visually impaired programmers, including a trans compiler
- Created Movie Library, Tracks watched movies and leverages the IMDB API to search for existing movies

### **WEB**

### **CONCORDIA INTERNATIONAL SCHOOL MODEL UNITED NATIONS LEADERSHIP TEAM | SEPTEMBER '14 – MAY '15**

- Improved Basic Website Design, created web driven registration database, used it to automate name tags & certificates of participation

## Work Experience

### **LEAD TECHNOLOGY INSTRUCTOR | LAVNER CAMPS | JUNE 2016-AUGUST 2016**

- Instructed campers in Python, JAVA, EV3 Robotics, Basic Data Structures and Minecraft Mods

### **GEEK IN TRAINING | SHANGHAI GEEKS | SEPTEMBER 2014 – MAY 2015**

- Provided technical support, setup local area networks and provided basic troubleshooting and instruction to customers.