### Jacob Kilby

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# Education

### **University of Michigan**

Bachelor of Science, Computer Science, Graduation Spring 2019

 Relevant Coursework – EECS 485 (Web Systems), EECS 388 (Intro. Comp Security), EECS 376 (Foundations of Comp. Sci.), EECS 370 (Intro to Computer Organization), EECS 281 (Data Structures and Algorithms)

### **University of Washington**

• First Year, GPA: 3.33

**Tesoro High School** 

# Previous Experience

## Nextgen Healthcare, Irvine California

Jun - Aug 2017

Software Engineering Intern

- Developed a skill for Amazon Alexa allowing Alexa to interface with the JIRA issue tracking software using Java and Amazon Lambda.
- Developed a web application using Angular and Amazon DynamoDB that interface allowed the development teams to package software remotely.
- Presented an overview of the skill and application and demonstrated the potential productivity gains to the R&D team and leadership, including the organization VP and the SVP, R&D.

# **Utrip, Seattle Washington**

Jun - Aug 2016

Software Engineering Intern

- Developed a search engine in Java for a collection of tagged objects using Apache Solr
- Created a presentation to explain how the search engine works. Presented to the entire company with the goal of having people on who aren't developers understand the technical parts of the system

# Tutor at CCPrep, Laguna Hills California

Oct - April 2015

- Tutored multiple students per week in a variety of subjects
- Worked effectively with a team of tutors ensure that every student received better grades

## Additional Skills and Interests

### **Computer Skills**

Strong C++ and Java skills, C, Python, React, HTML, CSS, Angular, Amazon DynamoDB, Amazon Lambda, JavaScript, SQL, Agile, bash, Linux

#### **Leadership and Activities**

AEPi Fraternity - Executive Board Position, Social Chair

Tesoro Madrigals Choir - Member

Tesoro Madrigals Choir Spain Tour Group - Member

Tesoro Water Polo and Swim Team - Member

#### Misc

Scuba Certified, conversational in Italian, cooking, skillful Catan player, video game modding