

# JACOB WALLER

## COMPUTER SCIENCE STUDENT

### CONTACT

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### EMBEDDED SYSTEMS

Arduino, Raspberry Pi, RoboRIO,  
CompactRIO

### PROGRAMMING LANGUAGES

Java, C, C++, F#, SQL, HTML,  
JavaScript

### CLOUD PLATFORMS

Google Cloud Platform, Amazon  
Web Services

### COMPETITIONS

ACM @ UIC 2017 - 1<sup>ST</sup> Place  
UEvansville 2016 - 3<sup>RD</sup> Place  
SWIC 2016 - 2<sup>ND</sup> Place  
SBU 2015 - 3<sup>RD</sup> Place

## EDUCATION

Bachelor of Science, Computer Science      Aug 2016 – Dec 2019  
University of Illinois at Chicago      (Expected)

## EXPERIENCE

Undergraduate Teaching Assistant      Jan 2017 – Present  
University of Illinois at Chicago – Computer Science

- Direct review sessions to assist students prepare for exams.
- Instruct students during lectures.
- Monitor students during lab sessions.
- Grade homework and tests.

Research & Scientific Aid      Jan 2017 – Present  
University of Illinois at Chicago – Engineering Makerspace

- Assist students in designing and manufacturing projects
- Operate machinery like 3D Printers, Laser Cutters, and CNC Mills

Quality Engineering Intern      May 2018 – Aug 2018  
Slalom Consulting

- Developed a testing strategy in conjunction with 6 developers.
- Managed Quality Engineering for a team of 10 people in an agile development environment
- Conducted automated testing across multiple AWS services

## PERSONAL PROJECTS

### Voice Controlled Smart Room

- Created a system which allowed a thermostat and lights to be controlled over the internet.
- Leveraged Google Cloud, PHP, Arduino, and a Google Home.

### Telegram Group Chat Bot

- Allowed members of a group to use commands to get weather, forecasts, and group specific information.
- Leveraged Google Cloud, PHP, SQL, NodeJS, Telegraf, Telegram, and the Dark Sky API