

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 – 1ST Place
UEvansville 2016 – 3RD Place
SWIC 2016 – 2ND Place
SBU 2015 – 3RD 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

LEADERSHIP EXPERIENCE

President – Residence Hall Association

- Gained experience leading a team of student leaders.
- Oversaw a budget of \$59,225.00.
- Organized weekly meetings.
- Gained experience organizing events and presenting to crowds
- Learned how to troubleshoot problems in group dynamics and event planning