John J. Waity

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EDUCATION

The University of Illinois at Urbana-Champaign — Urbana, IL
GPA 3.93 • B.S. in Electrical Engineering • August 2020 - May 2024
Coursework: Introduction to Computing, Philosophical Foundation of CS, Leadership Communications, Calculus III

James B. Conant High School — Hoffman Estates, IL
GPA 4.7 • August 2016 - May 2020
Coursework: AP CS Principles, AP Computer Science A, Mobile App Development, CS Independent Study, AP Physics C

EXPERIENCE

IT Partners at Education, Urbana IL — *Full Stack Web Developer*
January 2021 - Present
Updated websites for the University of Illinois and the Big 10. Developed styles to fit within the UIUC website system. Used content management systems, web technologies, and .NET to build frontend and backend services.

Motorola Solutions, Chicago IL — *Internship*
June 2019
Tasked with creating an external and internal temperature sensor for firemen to use on the field. Used Swift to develop an iOS app for a fire chief to monitor temperatures on the field.

Computer Science Kids, Conant — *Lead Teacher & Webmaster*
September 2018 - May 2020
Planned and taught lessons to first through eighth graders about computer science. Designed and built web infrastructure for registration and organization management using Node JS, React JS, MongoDB, and MySQL.

PROJECTS

Conant School Map — *Interactive 3D Map for Students*
Developed an iOS app using Swift for new students to help them navigate the school. Used custom path-finding algorithm to generate the fastest routes between classrooms. Available for download on the Apple App Store.

Flux — *Social Media Network for Asking and Answering*
A social media app centered around asking and answering questions. The client was developed in Swift for iOS. The server is built using Node JS and MongoDB.

Time Unlock XI — *Jailbreak Tweak*
Software that would set the device password of an iPhone to the current time. Made the device password always be different for security. Developed with Objective-C. Available for download through tweak repositories.

Continuity — *Jailbreak Tweak*
Software that allows iPhones to have scrollable wallpaper with the app pages. Available for $0.99 on Tweak Repositories. Built with Objective-C.

SKILLS

Proficient Programming Languages:

- HTML
- CSS
- JavaScript
- Python
- Swift
- PHP
- Java
- R
- C/C++
- Objective-C

Other CS Skills: Node JS, React JS, Open-GL, Express, Unity 3D, Git

Graphic Design: Adobe Photoshop, Adobe Premiere Pro, Adobe After Effects, Blender 3D, 3DS Max

AWARDS

Business Professionals of America:
- C++ Programming:
  - 1st State
  - 5th National
- Computer Programming Concepts:
  - 1st State
  - 8th National
- Administrative Support Concepts:
  - 7th National

Eagle Scout Rank: Earned 2018

Congressional App Challenge
Won 1st place in the 8th Congressional District for the Conant School Map

LANGUAGES

Intermediate Spanish

CERTIFICATIONS

MTA HTML 5 Development Fundamentals
May 2019

MTA Software Development Fundamentals
May 2019

IC3 Computing Fundamentals
May 2019