

David Worley

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PROFESSIONAL PROFILE

Software Engineer with extensive front-end and back-end development experience. Highly ambitious critical thinker with a deep understanding of data structures and performance optimization. 6 years of programming experience and 2 years of instructing computer science courses at Purdue University.

EDUCATION

Purdue University, West Lafayette, IN
Bachelor of Science in Computer Science May 2018
Tracks – Security and Software Engineering
Cumulative G.P.A – 3.00; Computer Science Upper Credits – 3.43

PROFESSIONAL EXPERIENCE

> **Textron Systems**

Cyber Security Intern June 2017 — Aug. 2017

- Developed code in remediation effort for software builds and process improvement
- Collaborated with other software developers in formalized code review environment and tested solutions
- Created documentation for asset remediation, vulnerability scanning, and raw data analysis

> **Purdue University**

Undergraduate Teaching Assistant / Lab Instructor

- CS 180 – Problem Solving and Object-Oriented Programming (*Java*) Aug. 2016 — Present
 - Ensuring that students receive the guidance necessary to thrive and enjoy programming
 - Collaborating with faculty members to ensure labs and projects are as beneficial to the students as possible
- CS 177 – Programming with Multimedia Objects (*Python*) May 2016 — Aug. 2016
 - Worked with 1 other undergraduate TA to oversee and administer 70 students and all lab sections
 - Dedicated several hours a week outside the classroom to assist students with anything course-related

> **CodeHS**

Programming Tutor & Grader (Paid Contract) Sept. 2015 — Dec. 2016

- Provide guidance and resources for high school classes enrolled in CodeHS programming courses
- Created modules and code exercises for newly-launched JavaScript and Python online courses.

PROJECTS

Roost (group) - Cross-platform React-Native application for creating/joining nearby activities (sports, studying, etc.)
tenaciousIRC (group) - Fully-functional browser-based chat system that works via chatrooms
Persona AI (personal) - Conceptual project that launches upon my death & permanently runs all social media accounts
drinkSocial (personal) - Cross-platform social media application for various alcohol consumption statistics and games
Twitter AI bots (personal) - Created variations of bots that scrape trending memes from multiple social media API's

SKILLS / PROFICIENCIES

Languages / Tools – Java, C, C++, Python, Bash, Assembly, React-Native, FireBase, mongoDB, GitHub, Linux, HTML/CSS, nodeJS

CS Coursework – Programming with Multimedia Objects, Object-Oriented Programming, Foundations of CS, Programming in C, Computer Architecture, Data Structures and Algorithms, Systems Programming, Operating Systems, Software Engineering, Embedded Systems, Computer Security, Computer Networks, Information Systems, Lean Scrum for Entrepreneurs (Research)