

# David Worley

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## ABOUT ME

Software Engineer with both 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, 2 years of instructing computer science courses at Purdue University, and 1 year of industry experience. I am looking for a full-time opportunity to apply my skills while also expanding my knowledge by working alongside experienced professionals.

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## EDUCATION

### **Purdue University**, West Lafayette, IN

Bachelor of Science in Computer Science

May 2018

Specialization in Software Engineering

Cumulative GPA – 3.1; Upper Level Computer Science GPA – 3.3

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## 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; tested solutions
- Created documentation for RMF, 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 — May 2017
  - Instructed multiple Java labs each week, providing feedback and assistance outside of the classroom
  - Collaborated 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 — May 2017
  - 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

- Provided guidance and resources for high school classes enrolled in CodeHS programming courses
- Collaborated with other tutors and graders to create new class modules and code exercises for courses

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## PROJECTS

**Persona AI (Personal)** - Large distributed systems project that monitors whether I am still alive and activates once I die, resulting in the takeover of my entire social media, email, SMS, and VoIP presence.

**Twitter AI bots (Personal)** - Created variations of bots that scrape trending memes from multiple social media API's and post hourly

**Drink Social (Personal)** - Cross-platform mobile social media app that keeps track of various alcohol drinking statistics

**CryptoCards (Group)** - Card collection/battling game that runs on the Ethereum Blockchain, allowing purchases of new cards using ETH cryptocurrency and MetaMask, new card unlocks after winning PVP battles, and a marketplace.

**SpotiBot (Group)** - Facebook Messenger bot performs statistical analysis of your Spotify listening habits to generate personalized playlists based on a wide assortment of input or your listening history.

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## SKILLS / PROFICIENCIES

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