Isaac L. Smith

Student of Computer Science at IPFW

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Education

Indiana University - Purdue University Fort Wayne (IPFW)
Bachelor of Science in Computer Science | 2015 - Present | GPA:3.9

Experience

09/2016–12/2016, 08/2017–Present, *Teaching Assistant*, IPFW
Graded code, monitored students in lab, and assisted with class materials.

02/2017–5/2017, *Student Mentor*, IPFW
Helped students in discrete mathematics understand and discuss concepts.

09/2016–12/2016, *Computer Science Tutor*, IPFW
Assisted students with any problems they had understanding class material by explaining concepts and walking through errors.

05/2016–08/2016, *Student Researcher*, ACoRL
- Worked on teams to develop software for navigation and mapping
- Researched computer vision and machine learning algorithms
- Developed applications demonstrating these algorithms
- Contributed to the Open-Source PAGI-World project
- Explained our work at several public presentations

Projects

05/2017–08/2017, *Mafia Demonstration*, ACoRL
Based on the research presented at MAICS 2017, I worked on a small team to develop an application demonstrating the described environment.

2017, *Poster Presentation*, MAICS artificial intelligence conference
Presented research concerning the creation of a standardized environment for testing strategic deception in artificially intelligent agents.

2015, 2016, *Poster Presentation*, Science and Society at IPFW
- Presented research I was conducting on robotic navigation as part of a team in the Analogical Constructivism and Reasoning Laboratory (ACoRL).
- Presented a live demonstration of a robotic agent solving a maze.

09/2015–12/2015, *Android-Based Visual Processing*, ACoRL
Worked with another student to develop an Android mobile application for target detection using OpenCV.

2014–Present, *Friday*, Personal Project
Open source, simple virtual assistant that uses API.AI as a backend.

Software Development Skills

- Python
- Java
- C
- LaTeX
- Linux
- OpenCV
- Android