

Zachary Warunek

Computer Science Student

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Experience

Ford Motor Company March 2021 - Present

ADAS Algorithm Engineer, Full-time Co-op

- Used tensorflow and python to develop and train computer vision models with large datasets
- Review and create documentation for ADAS software
- Annotated and prepared large datasets for training

Ford Motor Company March 2020 - Dec 2020

Full-stack Java/Angular Developer, Full-time Co-op

- Worked on a team to develop and update an internal vehicle tracking website with Angular and Java languages
- Created, implemented, and used REST APIs
- Developed front and back-end systems

Ford Motor Company Sept 2019 - Dec 2019

Software Engineer/ Data Analyst, Full-time Co-op

- Engineered Connected Vehicle software for internal use
- Influenced streamlining data collection process
- Supported Data Scientists with vehicle data analysis

Projects

Ford Search Engine Oct 2019 - Dec 2019

Technologies Used: Java

Cost Savings: \$3-5 million

- Search engine to find data from vehicles
- Saves engineers substantial time to more efficiently make the product better

Time Machine - Minecraft Plugin Aug 2020 - Dec 2020

Technologies Used: Java, Spigot API

- This is a server administration tool that allows you to backup and restore individual player files and chunks
- This plugin has over 550 total downloads and about 80 active servers using it

Flappy Bird AI Feb 2020

Technologies Used: Java, NEAT

- My first game with a custom game engine
- Allows you to let the AI take over and learn to play the game
- The AI uses the NEAT Genetic Algorithm to get better

Education

Kettering University

B.S. in Computer Science

Junior (Est. graduation - 2023)

Flint, MI

Technical Skills

Most Experienced

Java

AngularJS(Full Stack)

SQL

AWS

REST APIs

Python

Convolutional Neural Nets

Familiar

C

C++

C#

PyTorch

TensorFlow

Soft Skills

Adaptability

Confidence

Communication

Team Player

Public Speaking

Activities/Hobbies

In my free time, I usually am either coding, gaming, or building something. I code random projects on the side and have a lot of fun doing so. I also am really into 3D printing and like to build cool things with that. I am also a member of the Zeta Theta A chapter of Sigma Chi.