

Jimmie Cox

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EDUCATION

WRIGHT STATE UNIVERSITY

BS IN COMPUTER SCIENCE
December 2025 | Dayton, OH
Cum. GPA: 3.42 / 4.0

SKILLS

LANGUAGES

Python • Java • GDScript •
HTML • CSS • Javascript • \LaTeX

SEMI-FAMILIAR WITH

Ruby • Racket • C/C++

HARDWARE

ESP32 DW1000 UWB Module •
Raspberry Pis

COURSEWORK

UNDERGRADUATE

Intro To Software Engineering
Senior Design I
Intro Machine Learning
Applied Machine Learning
Introduction to Cyber Security
Calculus I-II
Linear Algebra
Statistics For Engineers

CERTIFICATIONS

COURSERA

Machine Learning With Python IBM
Credential ID: Q7J77RX7HC27
IBM COBOL Basics
Credential ID: 6639WCM0P5NR

RED CROSS

First Aid / CPR
Certificate ID: 01M5V7L

MEDIUM ARTICLES

MACHINE LEARNING

Overfitting vs. Underfitting |
Link To [Article](#)
Supervised vs. Unsupervised vs.
Reinforcement Learning |
Link To [Article](#)

EXPERIENCE

WSU CATS IT HELP DESK | SENIOR IT HELP DESK EMPLOYEE

January 2023 – Current | Dayton, OH

- Answered student, faculty, and staff emails and phone calls regarding IT services and software Wright State offers.
- Handled face-to-face interactions with student, faculty, and staff regarding IT issues at the front desk of the CaTS help desk.
- Used Beyond Trust Remote Support software to remote into clients' computers to troubleshoot and fix an array of computer related issues.
- Used Beyond Trust Remote Support software to remote into clients' computers to troubleshoot and fix a multitude of computer related issues.

HEROUX DEVTEK | MECHANICAL ENGINEERING INTERN

June 2022 – Aug 2022 | Springfield, OH

- Designed 3D animated work instructions using 3D VIA for workers on job floor as the main internship project.
- Participated in weekly progress report presentation on the 3D VIA work instructions project.
- Located and documented landing gear parts for a variety of aircraft that were previously undocumented around job floor as the aircraft include the F-35, C-130, B-1B, F-18, and F-15.
- Cleaned and restocked spill kits around the job floor.
- Helped to test and write NC program (Work Instructions) for a CNC machine.

PROJECTS

GCTC WEBSITE | DESIGNER, BUILDER, AND MAINTAINER

March 2025 – April 2025 | Dayton, OH

- Designed and implemented the Generic Campus Tour Company (GCTC) website and deployed via github pages. [GCTC Website](#)
- Implemented a parallax effect and wrote information on website.

FLOOR PLAN OCR SCRIPT | GCTC DEVELOPER FOR INTRO TO SOFTWARE ENGINEERING COURSE

March 2025 – April 2025 | Dayton, OH

- Imported the libraries Poppler and Tesseract for .pdf to .png conversion and optical character recognition.
- Implemented the extraction and storage of data in an excel file along with their x and y coordinates to be used for a 3D map for Wright State.

EARTH TERRAIN IMAGE SEGMENTATION | ML DEVELOPER FOR INTRO TO MACHINE LEARNING COURSE

August 2024 – December 2024 | Dayton, OH

- Wrote the Python code that pulls from a dataset of terrain images to build a mask and create terrain segmentation images using a Support Vector Machine.
- Worked in conjunction with another classmate to create a report in the Springer style and presentation for our Intro To Machine Learning course.

AWARDS

2023	2nd Place / 100 USD	ACM Programming Competition
2022	1st Place / 50 USD	Best Freshman Team ACM Programming Competition
2022	1st Place / 1,500 USD	Climate Change Initiative Design Competition