

Anthony McCrovitz

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EDUCATION

Purdue University – Class of 2026

West Lafayette, IN

Bachelor of Science in Computer Science, Software Engineering

Minor: Real Estate, Finance, Entrepreneurship & Innovation

Relevant Coursework: CS 182 Discrete Math, CS 240 Programming in C, CS 250 Computer Architecture, CS 251 Data Structures & Algorithms, CS 252 Systems Programming, CS 307 Software Engineering, Stat 350 Statistics

WORK EXPERIENCE

Founder/CEO^[SEP]Duneland Home Tech Solutions, LLC – Chesterton, IN | 5/24 - Present

- Launched a home technology solutions startup, acquiring 20+ clients in 3 months.
- Designed and installed smart home systems, resulting in a 95% satisfaction rate.

IT Support Intern^[SEP]Dunes IT Consulting, Chesterton, IN | 5/23 –1/24

- Initiated and led a personalized tech support service, successfully educating over 50 seniors in new software and hardware solutions, resulting in a 75% increase in their digital literacy and engagement.
- Managed remote troubleshooting and procurement services
- Managed remote troubleshooting and procurement services, improving IT support efficiency.
- Communicated with non-technical clients to tailor tech support to real-world needs and workflows

Open Source Contributor^[SEP]Amazon Web Services (AWS) Open-Source Contributor, Remote | 9/23 – 11/23

- Selected from the top 4% of applicants to contribute to AWS's open-source initiatives, enhancing skills in Python, React.js, JavaScript, and Java.
- Played a key role in a cross-functional team, working closely with engineers to implement cutting-edge solutions on AWS platform; achieved a 30% improvement in system performance, resulting in faster load times and enhanced user experience.
- Contributed to AWS open-source projects, resulting in two integrations that improved platform performance by 30%.

PROJECTS

Stock Price Prediction | Tech: Python, Pandas, scikit-learn, NumPy | [GitHub](#)

- Developed a machine learning algorithm to predict stock price increases using historical data from Yahoo Finance.
- Built a back testing engine to evaluate the model's precision and iterated with additional predictors for improved accuracy.

MLB Player WAR Prediction | Tech: Python, NumPy, Pandas, Matplotlib | [GitHub](#)

- Predicted MLB players' Wins Above Replacement (WAR) using machine learning models and back testing.
- Implemented data cleaning, feature selection, and model evaluation to ensure reliable season-to-season predictions.

ArmDecl | Tech: JavaScript, React, Tailwind, Vite | [GitHub](#)

- Created an ARMv8 instruction-to-English translator inspired by CDecl
- Designed frontend for clean code-to-plain-English output UX

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, C++, R. **HTML/CSS,** Bash | **Frameworks\Libraries:** React & React Native, Node.JS, Next.JS, Flask

Databases: MongoDB, SQL, Supabase, Firebase, PostgreSQL | **Tools:** Git, GDB, Microsoft Office Suite, Google Workspace, QuickBooks, Postman, Figma