

EDUCATION

B.S. Computer Science & Engineering, Bucknell University	2025
<ul style="list-style-type: none">• Relevant Coursework: Data Mining, Computer Architecture, Design and Analysis of Algorithms, Operating Systems, Full-Stack Web Development, Computer Networks and Security	
Physics Minor	2025
<ul style="list-style-type: none">• Relevant Coursework: Applied Electronics, Digital System Design, Electrical and Computer Engineering Analysis, Wave Mechanics & Quantum Physics	

SKILLS

Languages:	Python, C, C++, SQL, Java, TypeScript, JavaScript, Elixir, HTML, Golang, Verilog
Frameworks & Libraries:	React Native, Next.js, Phoenix, TensorFlow, XGBoost, CatBoost
Tools & Environments:	Git, MariaDB, SQLite, Anaconda, Linux
Concepts:	Machine Learning, Data Mining, OCR, Encryption, Embedded Systems, Algorithm Design, Full Stack Web Development, RISC-V

EXPERIENCE

Full Stack App Development Symptom Detective	June 2024 - January 2025 <i>Houston, TX</i>
<ul style="list-style-type: none">• Built backend storage and AI-powered food recognition features for a cross-platform mobile app• Implemented OCR label scanning and ingredient extraction using machine learning• Evaluated third-party APIs for cost-effectiveness and supported technical presentation prep	
Datadrive Developer Bucknell Mechanical Engineering Department	August 2024 - May 2025 <i>Lewisburg, PA</i>
<ul style="list-style-type: none">• Designed and implemented MariaDB database and Python interface for sensor data collected from a kinematics research vehicle	

PROJECTS

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LEADERSHIP

Community Impact Assistant Bucknell Food Securities Program	May 2023 - August 2023 <i>Lewisburg, PA</i>
<ul style="list-style-type: none">• Coordinated logistics for weekly food drives and supervised community garden volunteer efforts	