COLE VAUGHN

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Education

Edinboro University of Pennsylvania

Graduation Date: December 2024
GPA: 3.98
B.S. in Computer Science
Mathematics Minor

Computer Science Club President
PACISE Programming Team Contestant
Scrum Master for Software Engineering course

Work Experience

Applications Developer - Penn State
January 2025 - present

Develop software applications for the
College of Earth and Mineral Sciences.

Etsy Artist and Shop Manager
September 2022 – present

https://www.etsy.com/shop/VonDesStudio

Relevant Coursework

- Object Oriented Programming
- Data Structures and Algorithms
- Principles of Programming I & II
- Website Development I & II
- Artificial Intelligence
- Mobile Application Development
- Computer Architecture and Organization
- Database Management
- Software Engineering
- Theory of Languages
- Operating Systems
- Data Communications and Networking
- Cybersecurity
- Discrete Math I & II
- Calculus I & II
- Linear Algebra

Projects

React Native Mobile App

React mobile app built using Typescript, Expo Go, React Redux, and Firebase. Deployed on Expo Application Services and currently in beta testing with active daily users. Planned release to App store and Play store.

Food Finder (Agile group project)

Built a full stack web application that allows the user to enter a food and reccomends restaurants in their area that serve that food and web scrapes for recipes to suggest as alternatives. Worked as Project Manager/Scrum Master

Quantum Random Number Generator

Explored current research in random number generation and built a QRNG to produce true random values. Simulated grad level research and produced a research paper and physical QRNG machine.

Skills

- C/C++
- Agile workflow
- React Native & Typescript
- git/GitHub
- laravel
- Vue.js
- Firebase & EAS
- React Redux
- Python
- Java & Android Studio
- JavaScript & Node.js
- HTML/CSS
- PHP, MySQL, PostgreSQL & SQLite
- UI/UX design
- Docker
- Trello, Teamwork