



# Dave Whitman-Kinghorn

Product Manager

## EDUCATION

**Rochester Institute of Technology (RIT):**  
B.S. in Software Engineering.

Graduated in August 2020.

## OPTIONAL COURSES

**Software Performance Engineering, Principles of Data Management, Software Testing, Trends in Software Dev.**

## AFFILIATIONS

**Society of Software Engineers (SSE) at RIT (2016-2020)**  
Member and Laboratory Operations Committee Head

**Sailing Team (2015-2020)**  
Casual and competition

**Club Café at RIT (2016-2018)**  
Founder and President

**Eagle Scout (2014)**  
Troop 160, Lexington, MA

**Skills USA Massachusetts**  
Engineering design competition.  
Silver 2014, Bronze 2013.

## EXPERIENCE



• **SOFTWARE ENGINEER • 2021 - PRESENT**

Designing, developing, and testing features of our React-Django website promoting everyday green activism.

**Tools:** Django, ReactJS, PostgreSQL, Firebase, GitHub Issues



• **RIT CAPSTONE PROJECT • EVENT PLANNING APPLICATION • 2019 - 2020**

Product Manager and Owner for my capstone project at RIT. Led a team of four developers building an event planning application for Lockheed Martin's internal use. Met with customers regularly to discuss and groom the product backlog and plan upcoming sprints.

**Tools:** Asana, Trello, Scrum, Kanban, AngularJS, PostgreSQL



(AIR FORCE RESEARCH LAB) • **SOFTWARE ENGINEER CO-OP • QUANTUM ALGORITHMS • 2019**

Worked on a team of seven software developers to produce two quantum computer simulators. Responsible for requirements, design, development, and testing for both.

**Noisy Quantum Computer Simulator:** Designed and developed an Object-Oriented simulator to replicate noise (quantum errors) and real-world errors in a quantum computer to support a published paper on the fidelity of quantum algorithms.

**Photonics Simulator:** Designed and developed an Object-Oriented simulator to test experiments for a Quantum Photonic Processor.

**Tools:** Trello, Python, Qiskit, Pyquil, Cirq



• **SOFTWARE ENGINEER CO-OP • 2018**

Worked on a six-member agile software team to create an Android version of a Python desktop application for hardware QA. Responsible for requirements, design, development, and testing.

**Tools:** Trello, Android, Java, RxAndroid, Android Studio, Gradle



• **SOFTWARE ENGINEER INTERN • 2017**

**Sprout project:** Conceived, planned, created requirements, and created a UI mockup of a new app to encourage younger generations to invest and make beneficial financial decisions.

**Tools:** Python, UI Mockups, UX



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