DWK

DAVE WHITMAN-KINGHORN
PRODUCT OWNER

EDUCATION

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

Graduated in August 2020.

AFFILIATIONS

MassEnergize (2021)
Volunteer Software Engineer

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

Sailing Team (2015-2020)
Practices & Regattas

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

Eagle Scout (2014)
Troop 160 Lexington, MA
- Community service
- Camping
- Sailing

Skills USA Massachusetts
Engineering design competition
- Bronze 2013
- Silver 2014

EXPERIENCE

LOCKHEED MARTIN • **RIT CAPSTONE PROJECT** • **EVENT PLANNING APPLICATION** • **2019 - 2020**
Product Owner and Project Manager for capstone project at RIT. Lead a team of three other developers to build an event planning application for Lockheed Martin's internal use. Met with customers regularly to discuss their needs, solicit requirements, and discuss the product backlog.
Tools: Scrum, AngularJS, JavaScript, PostgreSQL, GraphQL

AFRL (AIR FORCE RESEARCH LAB) • **SOFTWARE ENGINEERING CO-OP** • **QUANTUM ALGORITHMS** • **2019**
Worked on a team with six other software developers to produce two quantum computer simulators. Responsible for design, development, and testing.
Noisy Quantum Computer Simulator: Produced a simulator to replicate noise and real-world errors in a quantum computer to support a published paper.
Photonics Simulator: Developed a multi-part simulator to test experiments for a Quantum Photonic Processor.
Tools: **Python, Qiskit, Pyquil, Cirq**

SciAps • **SOFTWARE ENGINEERING 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 design, development (Full Stack), and testing.
Tools: **Android, Java, RxAndroid, Android Studio, Gradle**

Fidelity INVESTMENTS • **SOFTWARE ENGINEERING INTERN** • **2017**
Developed solutions for the collection of usage metrics from associates to automate feedback. Working with System Analysts.
Virtual tour: Created virtual tour POC for investment centers.
Sprout: Planed through inception phase of a new app to encourage younger generations to invest.
Tools: **Python, DTW distance algorithm, UI Mockups**

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