CAMERON CONWAY

CONTACT

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🌐 https://verdant-toffee-de3197.netlify.app/

EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY
Master of Engineering in Engineering Management

STEVENS INSTITUTE OF TECHNOLOGY
Bachelor of Engineering in Software Engineering

SKILLS

- Software Skills:
  - Microsoft Office (Word, PowerPoint, Excel)
  - Adobe Acrobat Suite
  - Audacity
  - QuickBooks Pro/BookWorks
- Program Language & Frameworks:
  - Python
  - C++
  - C#
  - Swift (iOS development)
  - JavaScript/Node.js/AngularJS
  - Django
  - Git/GitHub/GitLab/SVN
  - Docker/Kubernetes
- Data Analysis and Machine Learning:
  - Pandas/Numpy/Scipy/Matplotlib
  - TensorFlow/Keras/PyTorch

NOTABLES

- Stevens Electrical Engineering Fellowship
- Stevens Resident Assistantship
- Art Harper Graduate Assistantship
- Stevens Alumni Assocation Class of 2023 Treasurer

WORK EXPERIENCE

JUNIOR SOFTWARE ENGINEER

F&S Digital Agency - Ventor, NJ (May 2022 - NOW)

- Conducted over 30 consumer interviews to identify user needs, leading to the development of detailed requirement documentation that guided engineering design and implementation.
- Served as the key liaison for 5 major projects, facilitating effective communication between clients and a development team of 10 members, ensuring requirements alignment and project success.
- Developed over 20 detailed Figma models for UI/UX projects, enhancing client understanding and approval rates by 30% through interactive presentations and requirement validations.
- Engineered and prototyped an innovative software solution, leading to a successful sale under NDA; project resulted in a 20% performance improvement for the client's operations.

SYSTEMS RESEARCHER

New Observing Strategies Testbed (NOS-T) Project for Collective Design Lab at Stevens via NASA/D.O.D - Hoboken (May 2023-September 2023)

- Crafted detailed consumer interviews with 20 users using structured questionnaires to extract critical user needs, pain points, and usage patterns, directly influencing product direction and design improvements.
- Authored and optimized requirement documents that translated complex user research findings into clear, actionable instructions for engineers, contributing to a 29% increase in project efficiency.
- Facilitated communication between end-users and engineering teams, enhancing project collaboration and reducing miscommunications by streamlining workflow processes.
- Designed and refined high-fidelity Figma models based on iterative user feedback, which increased client satisfaction by 20% and accelerated project approval from initial concept stages.

RESEARCH ASSISTANT

Stevens Department of Civil, Ocean, and Environmental Engineering- Hoboken, NJ (November 2020 – May 2021)

- Spearheaded a Department of Defense-funded initiative to innovate sustainable and resilient wastewater treatment technologies, achieving significant advancements in environmental engineering.
- Designed and conducted controlled experiments on nutrient-laden synthetic wastewater, employing meticulous attention to procedural detail which resulted in improved process efficiency and accuracy.
- Mastered technical proficiency in calibrating and operating sophisticated laboratory instruments, including anion and cation ion chromatography (IC) and high-performance liquid chromatography (HPLC), to support high-stakes research projects.
- Analyzed experimental data to track water treatment parameters such as pH, nitrate levels, and temperature, identifying key transformations that facilitate algal growth and energy production.
- Operated a variety of specialized lab equipment, such as cation and anion analyzers, to execute critical research tasks and contribute to the development of groundbreaking wastewater treatment solutions.

SOFTWARE AND TECHNICAL ENGINEERING INTERN

US Instruments INC - Lanoka Harbor, NJ (April 2021 - September 2021)

- Enhanced the UI/UX efficiency of Parks Flow Lab® by 11.5%, following extensive user and stakeholder feedback.
- Integrated new protocols into the sales system, reducing data entry errors by 8%
- Improved hardware-software integration by troubleshooting and repairing critical system components, enhancing system reliability.

U.S. CITIZEN