Kevin Liu

kl3272@drexel.edu | New York, NY | 646-322-6197

Education

Drexel University   **Philadelphia, PA**
Bachelor of Science in Mechanical Engineering   Anticipated Graduation: June 2023
Minor in Interdisciplinary Problem Solving   Cumulative GPA: 3.84

Skills and Certifications

Programming Languages: Python, JavaScript, React, Solidity, C, R
Software: Linux, VSCode, HTML, CSS, VirtualBox, Git, Unity, Google Firebase
Engineering Tools: MATLAB, Simulink, AutoCAD, Creo, Fusion 360, 3D Printing, Laser Printing
Design/Prototyping: Figma, Adobe CC, Microsoft Office, Microsoft Visio, Google Workspace
Certifications: CompTIA A+ Certified CE, Lean Six Sigma Yellow Belt, OSHA-10

Work Experience

Merck   **West Point, PA**
Associate Specialist   *Apr. 2022 - Sep. 2022*

- Developed Power BI scorecards to track 30+ metrics across a year
- Attended various departmental meetings to discuss projects, updates, and goals
- Revamped internal sites to improve accessibility and functionality

Radius Systems LLC   **Chadds Ford, PA**
Applications Engineer   *Mar. 2021 - Sep. 2021*

- Drew system design documentation with flow and wiring diagrams in Microsoft Visio
- Inspected premises and created plans for installment and equipment
- Coordinated with clients to understand and fulfill needs

Building Science & Engineering Group   **Drexel University**
Data-Driven Services for High Performance and Sustainable Buildings   *Dec. 2020 - Mar. 2021*

- Wrote Python code to process historical data collected from building sensors
- Simulated building energy conditions in Simulink and MATLAB to improve fault detection diagnosis methods
- Applied an active learning algorithm to identify high energy usage areas

Project Experience

kevvrites YouTube channel   **New York, NY**
Video Producer   *Apr. 2023 - Present*

- Testing over 40 startup projects in different subjects and giving user feedback
- Hosting 10+ creators in a talk show format to get advice and help growth
- Marketing and representing the channel across 4 different mediums

NYC MOR Urban Flooding   **Philadelphia, PA**
Researcher   *Mar. 2021 - Jul. 2021*

- Collect data and sources analyzing potential solutions to combat urban flooding
- Authoring a section on best flood resilience practices for submission to a panel of climate change activists
- Review and summarize key conclusions and findings in over 10 papers

Honors, Awards, & Activities:

NYC Mayor's Office of Resiliency, Research Fellow, April 2021 - June 2023
Pennoni Honors Program, Drexel University, April 2019 - June 2023
Engineering Leadership Scholars Program, Drexel University, April 2019 - June 2023
American Society of Mechanical Engineers, September 2018 - Present
Dean's List, Drexel University, September 2018 - June 2023
Eagle Scout, Troop 1, Flushing NY, August 2018