Will Koenig

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PROFESSIONAL BACKGROUND

A full stack **Python** and **JavaScript** engineer, with experience in both front-end and back-end development. Created dynamic applications with **React Native** and developed APIs using **Node**. I am passionate about delivering high-quality projects that bring real value to their end users. I've worked in team environments following **Agile** development methodologies.

PROJECTS

Algorithm Visualizers - https://willk0814.github.io/personal_portfolio/
- Interactive web apps to demonstrate popular sorting & pathfinding algorithms

Authentication Demo - https://github.com/willk0814/authentication_demo
- A full stack application leveraging MongoDB, Express, React, and Node to handle authentication

SKILLS

Languages: Python, JS, Java, C++, SQL
Frameworks: React, React Native, Express, Node, MongoDB, NumPy, pandas, Jupyter, PyTorch
Project Management Tools: Jira, Asana, GitHub, Bitbucket

RELEVANT EXPERIENCE

Sparks Biomechanics Research Lab   **Newark, DE**
Mobile Development Engineer   *May 2022 – November 2022*
- Lead developer of a Bluetooth device controller application that primarily uses **JavaScript** (**React Native**) and **C++** for some of the research devices
- Managed the work of five engineers using **SCRUM**, **JIRA**, and **GitHub**
- Cultivated a culture of **Agile** development and continuous improvement via inspect and adapt ceremonies: daily standups, sprint reviews, retrospectives
- Led weekly client-facing meetings to generate enhancement requirements
- App usage resulted in a 300% increase in plants tested per session

Business Basics for Engineers   **Newark, DE**
Founder, President   *November 2019 – September 2021*
- Founded and managed a Registered Student Organization with a mission to help engineering students develop awareness of business fundamentals
- Recruited 52 new members in the first semester
- Recruited industry speakers and facilitated five events followed by roundtable discussions

Viinko   **Boston, MA**
Software Engineer Intern – Remote   *June 2021 – August 2021*
- Developed a **Chrome extension** in **JavaScript** and **HTML/CSS** used daily by approximately ~200 students as a core element of their education software
- Created an interface to connect **Google Classroom** and Viinko calendar that reduced the time necessary to enter new assignments by 65% and increased student engagement with the platform

EDUCATION

Stevens Institute of Technology   **Hoboken, NJ**
Masters of Science in Computer Science   *Expected December 2024*
University of Delaware, College of Engineering   **Newark, DE**
Bachelor of Science in Computer Science, Concentrated in AI & ML, minor in CyberSecurity   *May 2022*
Awards and Activities: Dean's List, Business Basics for Engineers (Founder & President)