

Will Koenig

wkoenig0814@gmail.com || github.com/willko814 || willkoenig.vercel.app

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.

SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, C++, SQL, HTML, CSS, Git

Frameworks: React, React Native, Express, Node, NumPy, Pandas, Jupyter, PyTorch, sklearn, matplotlib

Databases: MongoDB, Mongoose, MySQL

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
- Delivered an application that streamlined testing and data collection resulting in a 300% increase in plants tested per session

Viinko

Boston, MA

Software Engineer Intern – Remote

June 2021 – August 2021

- Developed a **Chrome extension** in **JavaScript** and **HTML/CSS** used daily by approximately ~2000 students as a core element of their education software
- Created an interface to connect Google Classroom and Viinko calendar to 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 Machine Learning

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)

Business Basics for Engineers

Newark, DE

Founder, President

November 2019 – September 2021

- Founded and managed and on-campus Registered Student Organization with a mission to help engineering students develop awareness of business fundamentals
- Conducted student outreach events to recruit 52 new members in our first semester
- Recruited industry speakers and facilitated five events followed by roundtable discussions

PROJECTS

Pathfinding Visualizer - <https://willko814.github.io/pathfinder/>

- Interactive web app to demonstrate the exploration paths taken by popular pathfinding algorithms

Authentication Demo - <https://github.com/willko814/note-taking-app>

- A full stack application leveraging MongoDB, Express, React, and Node to handle authentication