

David Phan

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Website: <https://gpa0verkd.github.io/Portfolio/>

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Objective

- Flexible, hardworking, open-minded individual and fast learner with a diverse skill set from leadership to STEM experience, seeking a Software Engineering Intern position to explore ways to code that creates meaningful impact for all ranges of users

Education

- University of Washington Seattle, Electrical and Computer Engineering
 - Expected Graduation Date: June 2024
 - GPA: 3.82
- Proficiency in Java, Python, Jupyter Notebook, Scala, VS Code, Git, Git Actions, HTML, CSS, Bootstrap 4, Azure, MongoDB, AWS, Docker Compose, PostgreSQL, Microsoft Office programs, and Solidworks

Experiences and Activities

Date

Makeability Lab, Project Sidewalk – Intern

Mar. 2022 – Present

- Maintain and update the Project Sidewalk API and website, which tracks and updates information on infrastructural issues in cities
- Respond to Github tickets to quickly act on issues in the code base or frontend UI/UX
- Utilize technologies like Scala, PostgreSQL, and other frontend languages/frameworks

Software Engineering Intern – nFlux.ai

Sept. 2021 – Dec. 2021

- Analyzed and processed video files for ML training and worked with senior engineers on DevOps tasks to develop CI/CD pipelines using Docker Compose and Git Actions to enhance project workflow
- Designed and developed python code that automated and organized database information retrieval for SQL and noSQL databases
- Developed functionality testing procedures to analyze UI/UX components of company products

HackUPC Hackathon

May 2021

- Developed front end webpage for a facial recognition security system using HTML, CSS, and the Bootstrap 4 framework

UW Hyperloop Propulsions Team

Oct. 2020 – Jul. 2021

- Developed coil-windings and prototype CAD models for a Dual-Sided Linear Induction Motor (DSLIM), utilizing independent self-guided research and team communication to design UW's first DSLIM.
- Lead planning and communications for manufacturing outsourcing of material components

Washington Aerospace Scholars (WAS)

Nov. 2017 – Aug. 2019

- Designed a simulated manned Mars mission using skills from mission design to fundamental engineering practices learned through a rigorous multi-year long aerospace engineering curriculum
- Led project management between sub-teams as the propulsions team's Communications Expert and won the William E. Boeing award for leadership