Daniel Park

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Education

Virginia Tech, College of Engineering — Blacksburg, VA
B.S. Computer Science, Summa Cum Laude — *Aug 2021 – May 2024*

- GPA: 3.9, Six consecutive Dean's List Awards
- Related Coursework: GUI Programming in React, Mobile Software Development, Introduction to AI, Data Structures and Algorithms, Data and Algorithm Analysis, Computer Systems, Computer Organization, Comparative Languages, Professionalism in Computing, Statistics for Engineers, Applied Combinatorics

George Mason University, Volgenau School of Engineering — Fairfax, VA
B.S. Computer Science — *Transferred out Aug 2020 – May 2021*

- GPA: 3.9, Two consecutive Dean's List Awards
- Related Coursework: Object-Oriented Programming, Computer Programming, Essentials of Computer Science

Experience

Undergraduate Teaching Assistant — August 2022 – May 2024
Virginia Tech — *Blacksburg, VA*

- Enhanced the learning experience of students across Java and Python programming courses.
- Supported students in understanding data structures and algorithms, enhancing their problem-solving skills.
- Conducted informative office hours and delivered educational assistance to a diverse student body.
- Orchestrated seamless communication among assistants to promptly address student inquiries and support needs.

Front End Engineering Intern — December 2023 – March 2024
Ora — *Blacksburg, VA*

- Deployed an AI-powered fitness web application leveraging Next.js, Supabase, Docker, and LLMs.
- Developed a complex yet user-friendly application, employing Typescript for front-end and Python for back-end.
- Collaborated with cross-functional teams to seamlessly integrate ideal visual design and back-end functionality.
- Enabled effective communication and tracking progress through regular stand-ups and team meetings.

Projects

Brain Flow Visualization | *https://doi.org/10.1145/3611314.3625831* — Virginia Tech

- Collaborated with a team of FBRI researchers to automate the data visualization of brain tumor flow.
- Processed conditioned 3D scalar and vector field data sets to visualize brain tumor growth projections.
- Presented at VTURCS Research Symposium and published research to the Association of Computing Machinery.

VT Course Management System | *React, Python, Flask, MongoDB, Git* — Virginia Tech

- Led a team of software engineers to develop a comprehensive course management system for Virginia Tech.
- Implemented a chatbot feature to assist in academic planning by providing personalized course recommendations.
- Utilized React for front-end and Python for back-end to ensure a seamless and robust system architecture.

Lingoscope | *Swift, Git* — Virginia Tech

- Language translation iOS app developed in Swift that utilizes the OpenAI GPT and Google Cloud Vision APIs.
- Collaborated with a team of fellow developers to effectively design, plan, and test the application.
- Allows the end-user to input a photo with text to instantly translate it followed by many other functionalities.

Leadership & Activities

Co-Founder/Event Coordinator — September 2022 – May 2024
Data Structures and Algorithms @ VT — *Blacksburg, VA*

- Collaborated with executive board to identify teaching topics and drive conversation in general body meetings.
- Orchestrated and executed a series of highly engaging and informative workshops, study sessions, and socials.
- Initiated relations with companies and CS-related organizations to organize mock interviews and speaker events.

Technical Skills

Languages: Java, Python, Javascript, Typescript, HTML/CSS, Swift, Kotlin, C
Frameworks: React, Flask, Next.js, Node.js, JUnit, Material-UI, Bootstrap, FastAPI
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, Eclipse