Philip Bui

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OBJECTIVE

Computer science student seeking opportunities in inclusive and accessible front-end software development.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

B.S. in Computer Science, GPA 3.82/4.00 — Aug 2021 - Dec 2023

Dean's List — Fall 2021 & 2022, Spring 2023

SKILLS

Programming Languages: Java, JavaScript, TypeScript, C, C#, C++, SQL, VBA, Python, GLSL ES, Solidity
Software Development: React, CSS, HTML, Git, Node.js, Oracle, JavaFX, Unity3D, AWS, MongoDB, OpenAI
Project Management: GitHub Project, Slack, Trello, Jira, Notion

EXPERIENCE

Website Developer, ProsperOn — Jun 2023 - Present
- Developed accessible financial simulation web pages with Typescript using React, based on Figma designs.
- Designed and integrated RESTful APIs with Node.js and assumed ownership of and updated legacy code.

Operations Intern, Amazon — Jun 2023 - Aug 2023
- Developed an internal, mapping application, projected to reduce costs by >$10k (95%) per trained employee.
- Built a Node.js server for efficient data retrieval from Amazon's FCResearch, optimizing inventory tracking.
- Located and monitored >7,000 lost inventory items, reducing misplacement with a data-driven approach.
- Authored white papers and led sustainability initiatives, supporting Amazon's carbon neutrality goals.

Freelance Website Developer — Feb 2023 - Present
- Collaborated with artists to transform creative visions into visually engaging digital experiences with React.

PROJECTS

Blockchain-Based Smart Contracts for Low-Income Housing Development, WPI MQP — Aug 2023 - Present
- Developed an OpenGov smart contract system that cut permit-related pre-development time by months.
- Designed a system to display statistics for tax credits & subsidies on parcels utilizing OpenAI APIs and GIS.

Nitrogen Cycle Public Outreach AR Game for Boys & Girls Club, WPI IQP — Oct 2022 - Mar 2023
- Communicated with the Boys & Girls Club and WPI's STEM Education Center to align project deliverables.
- Led an 8-person team to develop an educational AR.js game, receiving an 86% approval rating from users.
- Facilitated learning for 100% of players on at least one core concept of nitrogen cycles in agriculture.

Medical Service Request System for Brigham & Women's Hospital, WPI Software Engineering — Mar - May 2022
- Streamlined the development of a 20+ page service request system as a key front-end engineer with JavaFX.
- Contributed to the system framework including 200+ classes, 24 interfaces, and 87 front-end controllers.
- Utilized UML and user stories and developed interactive visual simulations and navigation systems in Java.

OTHER EXPERIENCE

Community Events Coordinator, WPI Powerlifting — Mar 2023 - Present

Member, Upsilon Pi Epsilon — Jan 2023 - Present