

JOEL PREBISH

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EDUCATION

University of Pittsburgh, Pittsburgh, PA
Bachelor of Science, Computer Science

Graduation: Dec. 2024

Selected Coursework: Algorithms & Data Structures, System Software, UX Design, and Cloud Computing

TECHNICAL SKILLS

Languages: C, C++, Java, Swift, Python, R, Dart, JavaScript, SQL, x86, MIPS assembly

Technologies: Swift UI, Flutter, JavaFX, Pygame, Pandas, Plotly, SQLite, MySQL, MuJoCo

Tools/Environment: Git, GDB, Scene Builder, Google Cloud, Docker, Kubernetes, Nginx, Unicorn, Selenium, PyTest, JUnit, Maven | Unix, Linux, Windows

EXPERIENCE

Information Technology Specialist

June 2023–Sept. 2024

University of Pittsburgh

- Efficiently provided support to 100+ students, faculty, and staff weekly, resolving software, network, and account issues with a 95% first-contact resolution rate

AI Integration Developer

Sept. 2024–Present

Neuraville Inc

- Effectively led a team of 3 students to completion of a 4-month contract, ensuring timely delivery of project milestones
- Successfully integrated MuJoCo physics engine with an AGI model by mapping up to 20 object-model joints between the two systems

SELECTED PROJECTS

Minecraft Redstone Expansion Addon (JavaScript, JSON)

- Developed new custom textures for items using Photoshop, added 5+ new songs to jukebox, and created 4+ new items with unique features and crafting recipes

Djrive Cloud Service (Various languages, APIs, tools)

- Built a server on Ubuntu using containerization to host 5+ services, including a Minecraft server, Discord bot, cloud storage, and media streaming
- Developed a personal website and web interface with login access for up to 10 users, managing all services with ease

Free Educational Projects Hub (Python)

- Produced a constantly growing collection of open-source, intermediate level programming projects for learning
- Designed and integrated PyTest suites for each project, providing users with more guidance and improving their ability to continue independently

GITHUB

github.com/prebish

STACK OVERFLOW

stackoverflow.com/users/23487199/joel-prebish

LINKEDIN

linkedin.com/in/dev-prebish/