DEVIN RANKIN

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EDUCATION

Temple University   **Philadelphia, PA**
Bachelor of Science, Computer Science   Aug 2020 – May 2024
- 1x OwlHacks winner
- 2x Dean's List

EXPERIENCE

Software Engineer Intern   **May 2023 – Aug 2023**
Coventry Life Settlements   *Fort Washington, PA*
- Developed software at scale using C#, Visual Basic, ASP.NET, Typescript, SQL.
- Rapid prototyping and design of AI onboarding tools for teams in IT, saving hours of manual labor.
- Worked in team with Git, Visual Studio, Jira, Confluence, Teams, Agile.
- Documented multidecadal undocumented codebase.

Lead Web Developer   **Feb 2024 – Present**
OwlHacks   *Philadelphia, PA*
- Designed website for OwlHacks, Temple University's Hackathon, using Typescript, React, Next.
- Swiftly created design mock-ups to present to board using Figma.
- Worked in team of three, coordinating with designers and board using Slack.
- Tested core features and functionality through user-controlled tests.

Teaching Assistant   **Aug 2023 – May 2024**
Temple University   *Philadelphia, PA*
- Aided 70+ students' learning of operating systems and low-level programming.
- Held weekly lab sessions, reviewing class concepts and providing reinforcement where necessary.

CS Peer Tutor   **Feb 2023 – May 2024**
Temple University   *Philadelphia, PA*
- Tutored computer science students on abstract concepts including object oriented programming, operating systems, data structures, algorithms.
- Held semiweekly office hours for student interaction, communicating through Zoom, in-person, Discord.

PROJECTS

Game Boy Color Emulator
- Developed functional emulator featuring an accurate representation of the Game Boy Color from scratch in C++, CMake, ASM.
- Wrote graphics renderer in SDL3 to visually dump contents of memory.
- Successfully emulated the cartridge memory bank controllers, ensuring safe memory access and management.

CHIP-8 Emulator
- Developed simple emulator for the CHIP-8 virtual processor using C++ capable of executing 30+ year old binaries.
- Maintained a simple and structured build cycle using Make, Git.

Smart Mirror
- Built and developed a smart mirror using React, Next, Typescript, PostgreSQL, Python, Raspberry Pi, Shell.
- Used cutting edge web technology to implement a progressive web app companion, allowing users to customize their mirror from a mobile device.
- Collaborated in team of seven through Git, Jira, Canvas, Slack.

SKILLS

Languages / Frameworks: C++/C, Python, React, Typescript, Java, LaTeX, Vimscript, ASM (MIPS, Z80)