

William Vincent

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Summary

An obsessively curious software engineer. I have spent my professional career teaching people how to think like an engineer and to solve interesting problems. Improving people's lives is my passion, I have done so as a programming instructor, and want to continue doing so by working on projects that put a little more good into the world.

Key Skills

Programming Languages: JavaScript, Python, Bash, Lua, C, Haskell, Lisp.

Web Technologies: HTML, CSS, React, Redux.

Databases: SQL, SQLite, PostgreSQL, IndexedDB.

Soft Skills: Technical Communication, Leadership, Coaching and mentoring.

Other: Linux, Node.js, Git, GitHub, AWS, Docker, Postman, Vite, Express, Mocha, Chai, Sequelize.

Professional Experience

App Academy

Lead Instructor | *September 2023–Present*

- Acted as technical and administrative lead for a team of 6+ instructors.
- Delivered monthly workshops to promote technical and professional growth in instructors.
- Collaborated across departments and with company leadership to advocate for the interests of instructors and students.
- Developed and delivered all lectures and code demos for over 300 students a year.

Instructor | *November 2021–September 2023*

- Managed and delivered daily lectures to students and mentored Instructional Assistants under my supervision.
 - Facilitate interactive workshops and group activities to encourage collaboration and to foster technical communication skills.
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Projects

aa-update | *Tools Used: Bash, Git, GitHub*

- An internal tool I wrote to manage lecture materials and resources.
- Used by 20+ instructors, more than 1,200 students, and was in use for over 2 years.
- Developed in bash to ensure maximum compatibility with student environments and to allow for simple execution instructions with no dependencies outside of bash itself and git.
- Removed an entire category of early setup bugs, increasing student success rates by allowing them to focus on content rather than technical issues.
- Empowered instructors to have precise control over what lecture materials and supplementary content were given to students throughout the course.

note-app | *Tools Used: JavaScript, CSS, HTML, IndexedDB*

[live-link](#) | [github-link](#)

- A plain text privacy focused note-taking application run entirely on the client.
- I chose IndexedDB due to how effective and simple it was to implement a client only database that had no need for a server, ensuring that it would be impossible for me to have any contact with client data.