Ravi Brock

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EXPERIENCE

Forward Deployed Software Engineering Intern
May 2025 - Aug. 2025
Palantir Technologies
New York City, NY
- Interning on the US Government team, based out of Palantir's New York office
- Worked directly with clients to design and implement solutions using Foundry, LLMs, Python, and TypeScript

Data Engineering Intern
Apr. 2024 - Aug. 2024
OwnersBox Fantasy Sports
Waterloo, ON
- Rearchitected Google Cloud backups system to require 90% fewer cloud functions
- Built data pipeline and implemented Bayesian model with a Kalman filter to predict daily revenue

Student Data Journalist
Jan. 2021 - May 2021
University of Arkansas - Arkansascovid
Fayetteville, AR
- Used R, Excel, Tableau, and Flourish to process data and create meaningful visualizations
- Wrote, researched, and fact-checked stories about COVID-19 in Arkansas

Founder
Nov. 2018 - Nov. 2021
Arkansashype Reselling
Fayetteville, AR
- Started buying shoes and selling them on the aftermarket at 13; scaled to $60,000+ a year of revenue
- Used AWS EC2 to deploy automation software and R to scrape data to optimize purchasing

EDUCATION

Rice University
Aug. 2024 - May 2027
Bachelor of Arts in Computer Science
Houston, TX

University of Waterloo
Sept. 2023 - Apr. 2024
Bachelor of Mathematics (transferred to Rice)
Waterloo, ON

PROJECTS

Orderbook ⌬ | *C++, CMake*
- Implemented client/server order book in C++ that supports adding, cancelling, and matching orders
- Wrote custom queue-based data structures and callback logic to efficiently process orders and return fills

Spellwarn.nvim ⌬ | *Lua, Neovim*
- Wrote Neovim plugin using Lua and Neovim APIs to show spelling errors as diagnostics
- Maintained plugin with 80+ stars on GitHub, pushed updates, and responded to issues

Texts AI ⌬ | *Python, Regex, SQL, Transformers*
- Designed and built a program that uses custom MacOS integrations to automatically read and reply to new texts
- Queries messages with SQL and Regex and generates responses using multithreading and *LLaMA* or *GPT* LLMs

OPEN-SOURCE CONTRIBUTIONS

Hover.nvim ⌬ | *Lua, Neovim*
- Implemented feature with Lua and Neovim APIs to allow the user to toggle between info sources (like LSPs)
- Resolved pre-existing GitHub issue, added useful functionality to the plugin, and updated documentation

LeetCode Sync ⌬ | *JavaScript, GitHub Actions*
- Added options to show more submission information (runtime, memory, etc.) and customize file locations
- Used JavaScript and the LeetCode API to query details and improve commit messages based on user settings

SKILLS

Languages: Bash, C, C++, Java, JavaScript, Lua, Python, R, Racket, SQL, TypeScript, x86
Technologies: AWS, CMake, Git, Google Cloud, LaTeX, Make, Regex, Valgrind, (Neo)vim