JULIETTE TRIPIER
Software Engineer

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PROFESSIONAL EXPERIENCE

Volunteer Software Engineer | Civic Tech DC | Washington, DC   **Aug 2024 - Present**
- Member of web development team for CIB Mango Tree, an open-source software tool for detecting bot network activity and Coordinated Inauthentic Behavior in online datasets
- Writes code and creates visual assets for CIB Mango Tree website
- Works on interactive HTML output from CLI data analysis program

Software Engineering Student | Hackbright Academy | San Francisco, CA   **Aug 2023 - Nov 2023**
Capstone Project: Eggsplorer [*https://github.com/juliettetripier/Hackbright-Project*]
- Developed Flask-based full-stack web application utilizing a PostgreSQL database in 5 weeks
- Implemented numerous features including user creation and login, search function employing Yelp Fusion API, custom wishlists, achievements, and user leaderboard
- Styled front end with CSS, Bootstrap, and Flexbox, alongside Jinja2 templates and AJAX

Administrative Assistant | IonQ | College Park, MD   **Apr 2021 - May 2023**
- Managed day-to-day operational tasks in a fast-paced tech startup environment

PROJECTS

Huedoku [*https://juliettetripier.github.io/huedoku*]   **Aug 2024 - Nov 2024**
- Built React-based web app with Next.js and TypeScript
- Wrote Sudoku game logic and created reactive frontend interface

Multiplayer Tron [*https://github.com/juliettetripier/multiplayer_tron*]   **Jan 2024 - Apr 2024**
- Developed browser-based game in pure JavaScript with online multiplayer and AI capabilities
- Wrote own TCP networking stack using websockets
- Implemented collision detection, game logic, and UI based on low-level JavaScript DOM API

TECHNOLOGIES

Languages | Python, JavaScript (AJAX, JSON), TypeScript, SQL, HTML, CSS
Frameworks & Libraries | Flask, Bootstrap, Jinja2, SQLAlchemy, React, Redux, Node.js, Next.js
Database & Industry Tools | PostgreSQL, Git, GitHub, Command Line, Websocket, Docker

EDUCATION

Hackbright Academy | San Francisco, CA   **Nov 2023**
Software Engineering Fellowship - Accelerated 12-week full-time software engineering program

Reed College | Portland, OR   **May 2018**
Bachelor of Arts, Psychology - Cognitive Science Concentration
Senior Thesis: *You Can't See Me - Searching for Evidence of Unconscious Semantic Processing in an Inattentional Blindness Paradigm*
- Wrote complex stimulus presentation program in PCL (Presentation Control Language)
- Deployed program in psycholinguistic EEG-based experiment with human participants
- Analyzed and plotted EEG data with BrainVision Analyzer 2