

Casey Primozic

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Education

Valparaiso University, Valparaiso, Indiana

Bachelors of Science in Computer Science - Presidential Scholarship - Expected Graduation: December 2018

Personal Projects + Applications

- **RobinTrack** - <https://robintrack.net/> (src: <https://github.com/ameobeame/robintrack>) - Creator
A tool for viewing data about the popularity of various stocks on the Robinhood brokerage. Allows users to view the most (and least) popular stocks held by its users and view trends over time.
Built with: *JavaScript/React/Redux, Echarts, Ruby/Rails, Redis, RabbitMQ, Python, MongoDB, Docker*
- **TickGrinder Algorithmic Trading Platform** - <https://github.com/Ameobeame/tickgrinder> - Creator
Version 4 of an in-development high performance and asynchronous algorithmic trading platform. Allows users to build automated trading strategies in a robust and highly extensible environment.
Built with: *Rust, Node.js, C++, HTML, CSS, Java, Redis, PostgreSQL*
- **Noise Function Compositor** - <https://noise.ameo.design/> (src: <https://github.com/Ameobeame/noise-asmjs>) - Creator
A web application that allows users to design and view their own noise function compositions live and share them with other users. Written in Rust, it's compiled into WebAssembly/Asm.JS and combined with a React UI.
Built with: *Rust, WebAssembly/Asm.JS, React, Redux, HTML, CSS, MySQL, Rocket*
- **Cryptoviz** - <https://cryptoviz.net/> (source: <https://github.com/Ameobeame/cryptoviz>) - Creator
A live Depth-Of-Market (DOM) web-based visualization for live orderbook data from the Poloniex cryptocurrency exchange. Allows traders and quantitative analysts to gain unique insight into the current state of the market.
Built with: *JavaScript, React, WebSocket, Material UI, Canvas, HTML, CSS, Paper.js*
- **PoloTrack** - <https://ameo.link/polotrack> (source: <https://github.com/Ameobeame/polotrack>) - Creator
A portfolio analysis application for the Poloniex cryptocurrency exchange. Allows users to view their current holdings and historical activity with tools for statistical analysis of trading behavior and portfolio statistics.
Built with: *JavaScript, React, Redux, Ant Design, Canvas, HTML, CSS, Techan.js, Rocket*
- **Osutrack** - <https://ameobeame.com/osutrack/> - Creator, maintainer, and lead developer
Self-developed application to allow "osu!" players to track their progress and view detailed information about their skill level over time. Built with: *PHP, HTML/CSS/JS frontend with MySQL*

Programming languages

- JavaScript/Node.js/React/Redux/ES6+Babel
- HTML/CSS
- TypeScript/[Flow](#)
- Rust
- Python
- C/C++
- Ruby/Rails

Services and utilities

- MySQL/PostgreSQL/SQL/Sqlite/MongoDB/Redis
- Git / Github
- WebAssembly + Asm.JS
- Docker/Compose/Swarm/Cloud/Kubernetes
- NumPy/Pandas/Jupyter Notebook/Anaconda
- Linux Server Management/System Administration
- Amazon Web Services EC2/S3/DynamoDB/etc.

Work Experience

FatWhale, Remote - *Software Developer* - Sept. 2017 - Jul. 2018

- Designed and developed software to aid with the collection, processing, and storage of cryptocurrency market data
- Constructed a fully automated trading framework for trading on many cryptocurrency exchanges

Trabian Technology, Indianapolis, IN - *Software Developer* - Aug. 2017 - Apr. 2018

- Stayed on remotely part-time after my internship. I continue to work on React apps for clients in the financial sector.

Trabian Technology, Indianapolis, IN - *Software Developer Intern* - May. 2017 - Aug. 2017

- Worked on client projects including web and mobile applications for the financial sector.
- Implemented new features + fixed bugs using a Github-based workflow; React + React Native, Redux

Valparaiso University, Valparaiso, IN - *Software Developer* - Jun. 2016 - Aug. 2016

- Extended the Orange3 platform to allow for code exportation from visual programming workflows to Python scripts.

Valparaiso University, Valparaiso, IN - *Software Developer* - May. 2016 - Jun. 2016

- Developed software for network research and analysis (https://github.com/Ameobeame/network_research) and a prototype network repository for storage of network data (https://github.com/Ameobeame/network_database)