

Matthew HJ Jang

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Education

University of California, Berkeley

College of Letters & Science

Bachelor of Arts (B.A), Cognitive Neuroscience

August 2014 – December 2018

University of Illinois, Springfield

Master (M.S), Computer Science

January 2021 – Present

Coursework: Data Structures, Object-Oriented Programming, Computer Architecture, Operating Systems, Machine Learning, Data Mining, Deep Learning, Computer Security, Software Testing, Artificial Intelligence, Discrete Mathematics, Multivariable Calculus, Linear Algebra

Proficient Skills: Java, Python, JavaScript, C++, React, Redux, Ruby on Rails, SQL, HTML/CSS, Git

Professional Experience

Trellis Rx

Software Engineer

January 2021 – Present

Atlanta, GA

- Designing and developing full-stack software from databases, to backend, to UI, to analytics
- Participating in the development of a continuous build architecture with constant iteration
- Participating in all parts of system development, testing, deployment, and support
- Helping to define and document a style guide and development practices

The Home Depot (Technology Center)

Software Engineer

November 2019 – December 2020

Atlanta, GA

Item Data Management (IDM) Team – Product & User Experience

- Build and support Stibo System's STEP, an online tool for vendor partners to view, set up and maintain product data. This data feeds homedepot.com, supports The Home Depot (THD) supply chain initiatives, and drives the SKU setup process for merchandising.
- Deliverables: *Java, JavaScript, TypeScript, React, Redux, GitLab, Google Analytics, PivotalTracker, UX, TDD, STEP, HTML/CSS*

One Replenishment Engine (ORE) Team - IT Supply Chain

- Build and support a world class replenishment engine that dynamically and reliably produces Raw Need Forecasts for airflows and SOQs to enable the right product in the right place at the right time to satisfy customer demands.
- Deliverables: *JavaScript, Java, React, Redux, Cypress, SQL, GCP, BigQuery, Airflow, TeamCity, PivotalTracker, Data Load Framework, CloudSQL, TDD*

Qubit Security

Software Engineer Intern

January 2017 – May 2017

Seoul, South Korea

- Improved real-time anti-hacking cloud detection via Plura.io to 6 seconds
- Led an analysis team of ten people in investigating Apache Spark's machine learning library (MLlib)
- Investigated a malware pattern-matching tool called YARA to detect common SQL injection and Ransomware signatures

Projects

Shuttr

[Live Site](#) | [GitHub](#)

Find your inspiration: full-stack Flickr clone || React / Redux, Ruby on Rails, PostgreSQL, AWS

- Created an intuitive interface using Rails and React components to provide a seamless website for sharing photos
- Constructed templates via React component architecture, enabling efficient development of intuitive user session forms and secure user authentication