Matthew HJ Jang

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Education

University of California, Berkeley   August 2014 – December 2018
College of Letters & Science
Bachelor of Arts (B.A), Cognitive Neuroscience

University of Illinois, Springfield   January 2021 – December 2022
Master (M.S), Computer Science

Coursework: Data Structures, Operating Systems, Computer Organization, Artificial Intelligence, Object Oriented Programming, Discrete Mathematics, Multivariable Calculus, Linear Algebra

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

Professional Experience

The Home Depot Technology Center   October 2019 – January 2021
Software Engineer   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   January 2017 – May 2017
Software Engineer Internship   Seoul, South Korea
- Improved real-time anti-hacking cloud detection via Plura.io to 6 seconds   [Live Site](#)
- 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

TimeSpare   [Live Site](#) | [GitHub](#)
Employment-oriented network service || MongoDB, Express.js, React.js, Node.js
- Created an intuitive interface using the *MERN* stack that helps users find and offer temporary job openings in their local areas
- Constructed custom modal templates for user forms, and calendar API for bookings via React component architecture
- Incorporated the Axios.js library to make HTTP requests from Node.js