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 – Present
Master of Science (M.S), Computer Science

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, TypeScript, JavaScript, React, Redux, Python, C++, Ruby on Rails, SQL, HTML/CSS, Git, Bitbucket, Jira, Pivotal Tracker

Professional Experience

Trellis Rx   January 2021 – Present
Software Engineer   Atlanta, GA
- Build and support Arbor, an online tool for pharmacists and corporate users to view and manage patient data
- 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
- Helping to define and document a style guide and development practices

The Home Depot (Technology Center)   November 2019 – December 2020
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.

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.

Qubit Security   January 2017 – May 2017
Software Engineer Intern   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