

JOHN HO

Software Engineer

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EXPERIENCE

Software Engineer II

The Home Depot

Nov 2022 – Present (Full-time)

Atlanta, GA

- Power Tool Rangers Team: Developed a Front-End using Next.js and Angular to help associates monitor all Self-Checkout registers in real time.
- Implemented Redis messaging APIs to connect registers with our mobile Android app.
- Participated in store visits to assist UX with prototyping and customer research.

Software Engineer

The Home Depot

June 2020 – October 2022 (Full-time)

Atlanta, GA

- Product Search Team: Retried a legacy register function with a modern Angular app that's live in production stores. Assisted two summer interns through numerous pair programming sessions and GitHub code reviews.
- Self-Checkout Team: Deployed new React Front-End for ePro features in over 2300+ physical stores nationwide. Worked with Java 8 to make enhancements in our Point of Sale systems. Created Mixpanel/Looker graphs for millions of transaction events.
- Mobile Selling team: Developed new Angular UI screens and wrote unit test cases.

Graduate Software Engineer Intern

The Home Depot

Jan 2018 – May 2020 (Part-time)

Atlanta, GA

- Deployed 8+ React web pages for the Search team evaluation tool with test cases.
- Created an Eye-Tracking PoC to be used in store product shelves. Generated gaze heatmaps that analyzed customers' gazes and determined "hot and cold" products.
- Built an ARKit object recognition app that quickly detected 3D point cloud models of Home Depot tools on camera. Overlaid product info and tool manuals in AR space.
- Improved data analysis with color algorithms that sorted over 4000+ paint chips.

Graduate Teaching Assistant

Georgia Tech School of Interactive Computing

Aug 2019 – May 2020 (Part-time)

Atlanta, GA

- CS 4460-Intro to InfoVis: Graded & taught 120+ students the D3.js framework.
- CS 6470-Online Communities: Online grader of 70+ students & managed Canvas.

Software Engineer Intern

Nike, Inc

May 2019 – Aug 2019 (Full-time)

Beaverton, OR

- Implemented React UI worth 3-5 point sprint tickets weekly for the FORGE team.
- Integrated with Signal-FX framework for alert monitoring of HTTP 400/500 errors.
- Won 3rd place at Hack72 hackathon with my 'MARK' ARkit Shoe Detection app.
- Developed with React.js + Redux, Java, AJAX, SQL, Node.js, Python, Jupyter, Swift.

EDUCATION

M.S. in Computer Science

Georgia Institute of Technology

Aug 2019 – May 2020

- Concentration: Human-Computer Interaction
- GPA: 4.0 / 4.0

B.S. in Computer Science

Georgia Institute of Technology

Jan 2017 – May 2019

- CS Threads: People & Media
- GPA: 3.5 / 4.0, Graduated High Honors

LANGUAGES

Java

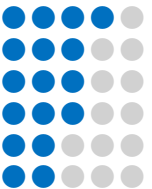
Python

SQL

C#

C++

Swift



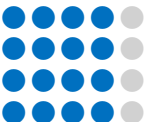
WEB DEVELOPMENT

JavaScript/Typescript

React

Angular

HTML & CSS



PROGRAMS & TOOLS

VSCode

Eclipse/Spring Tools

Mixpanel

Looker

Github

JIRA

Confluence

Figma

Invision

Adobe XD

Jupyter

Unity

ARKit

HCI CONCEPTS

Design Thinking

Affinity Diagramming

Low-fidelity & High-fidelity Prototyping

Qualitative & Quantitative Methods