Nathan Pham

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Education:
Bachelor of Science in Computer Science (GPA 3.08)   2015-2020

Technical Skills:
Languages: Javascript, Typescript, C++, Python, Java, SQL, C, C#, CSS/HTML, SASS,sML, Scala, SWI-Prolog
Tools/Frameworks: Git, AWS, GCP, NodeJS, Firestore, Bootstrap, React, Redux, Material-UI, Microsoft Office, Unity, Oculus VR, Intellij, Visual Studio, Genymotion, JIRA, Linux, OpenCV
Other Skills: Machine Learning, Computer/Information Security, Operating Systems, Computer Graphics, RESTful APIs, network protocols (HTTP, UDP, TCP, SMTP)

Projects and Experience:

Full Stack Developer Internship at Beautycounter: June-Aug 2019
As a full-stack developer at Beautycounter, I maintained and distributed code for the fastest growing channel of an omnichannel business: e-commerce. My duties included increasing site security, managing databases, and maintaining front-end payment systems.
- Worked in an AGILE Scrum development cycle.
- Secured a previously unprotected Firestore database to prevent potentially harmful or malicious changes.
- Protected the Firestore database from potential problems by using google cloud functions to automate back-ups.
- Wrote Typescript React-Redux code for e-commerce front-end website.
- Worked in an interdisciplinary team to present to corporate executives new direct marketing strategies.

Belch: May 2021
Belch is a single-page, social media, web application that allows users to review and recommend restaurants. Belch was made as a proof of concept personal project to hone my skills in different technologies.
- Written with Node.js, react-redux, and express.
- Uses a MongoDB atlas for data storage with mongoose.
- Hosted on Heroku and Netlify at https://npham014-belch.netlify.app/

UCRPlanner: Jan-Mar 2020
UCR Planner is an online course planning tool created for students at UCR. It is more simple and accessible than competing course planners. Our algorithm allows current or incoming students to create dynamic, four year course plans in ways that traditional course planners simply cannot. This project also brought me into talks with UCR faculty about implementation on a large scale as an official UCR application.
- Designed using PHP and Bootstrap with a MySQL database.