

NATHAN CHAN

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SKILLS:

Programming: Javascript, Typescript, HTML/CSS (Bootstrap, Materialize), Vue.js, Vuetify, Nuxt.js, React.js, Node.js, Angular.js, Express.js, Embedded Javascript (EJS), PostgreSQL/Sequelize, MongoDB/Mongoose, RESTful APIs, GraphQL, Firebase, Git/Github, Django, C#, Android development (Kotlin, Java), iOS development (Swift, UIKit)
Data Science: Advanced Excel (Pivot Tables, Index-Match, Vlookup), MATLAB, R, Python, Tableau, D3.js, Leaflet.js
Design: Photoshop, Illustrator, Canva, Figma
Foreign Languages: Fluent in Cantonese. Proficient in Mandarin, French, and German
Management: Microsoft Project, Trello, Slack, Notion, Basecamp

WORK EXPERIENCE:

Software Engineer Intermediate with UPMC

January 2021 – Present

- Full Stack web (Angular, Java Spring Boot), Android, and iOS developer among a team of 83 for the MyUPMC web and mobile apps serving over 4 million patients and over 92,000 employees.
- Followed agile methodology to develop features, write unit tests, and provide off-hours support.

Full Stack Web Developer with NBBJ

February 2020 – December 2020

- Primary developer among a team of five for a Vue.js, Vuetify, Node.js, GraphQL app that was completed in three months and released firmwide (over 860 employees).
- App was part of the first suite of apps released for an R&D initiative that evaluated a user's schedule.
- Primary developer in a team of three for a server side rendered Vue.js and Nuxt.js app to be released internally in three months with a scheduled public release in six months.

Transportation Engineer/Planner III with Fehr & Peers

June 2015 – August 2015, June 2016 – May 2019

- Led the Seattle office Data Science Initiative to develop methodologies to analyze traffic patterns. Coordinated data collection efforts with multiple data vendors for traffic studies.
- In less than three years, successfully managed over \$550,000, schedules, and staff for over 15 projects and tasks with staff from over 25 cities, public agencies, and subconsultants.
- Presented project packages and updated policies to city engineers, planners, and the public regarding future transportation improvements for regional transportation plans 20 years into the future.

Assistant Web Developer with PATH at UC Berkeley

March 2014 – April 2015

- Managed website content through Drupal 7 and Pantheon Workstation for I-210 Integrated Corridor Management Project at The Partners for Advanced Transportation Technology (PATH)

OTHER RELEVANT PROJECTS:

Raincheck | <https://github.com/nchan7/raincheck>

July 2019

- Led a team of three to build a full-stack app, which queries the Dark Sky API for the weather for a user's commute at their origin and destination at times specified by the user.
 - The full-stack app employs the MERN (MongoDB, Mongoose.js, Express.js, React.js, and Node.js) Stack.
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EDUCATION:

General Assembly – Software Engineering Immersive

May 2019 – August 2019

Full-stack web development graduate in an intensive, twelve-week, 450+ hour program.

University of California Berkeley

Master of Science (M.S.) Civil Engineering - Transportation Engineering

August 2015 – May 2016

Bachelor of Science (B.S.) Civil Engineering, Minor City Planning

August 2011 – May 2015