NATHAN CHAN

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SKILLS:

Web Development: Javascript, Typescript, HTML/CSS (Bootstrap, Materialize), Vue.js, React.js, Node.js, Angular.js, Express.js, RESTful APIs, GraphQL, Firebase, Git/Github, Gitlab, C#
Mobile Development: Android development (Jetpack Compose, Kotlin, Java), iOS development (Swift UI, 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: Jira, Microsoft Project, Trello, Slack, Notion, Basecamp

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WORK EXPERIENCE:

Senior Software Engineer 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.
- Primary developer on a team of 12 for a renewed web, Android, and iOS app to update the app frameworks.
- Contributed significantly to over 20 web and mobile feature releases in 2023 alone.
- 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.

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)

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*