NATHAN CHAN

Seattle, WA | (909) 664-4929 | nathanchan1007@gmail.com
linkedin.com/in/nathanchan07 | https://github.com/nchan7 | https://nchan7.github.io/portfolio

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SKILLS:

Web Development: Javascript, Typescript, HTML/CSS, React.js, Node.js, Express, Embedded Javascript (EJS), Postgres, SQL/Sequelize, NoSQL, MongoDB/Mongoose, RESTful APIs, Git/Github
Data Science: Advanced Excel (Pivot Tables, Index-Match, Vlookup), MATLAB, R, Python, Tableau
Design: Photoshop, Illustrator, Canva, Figma
Transportation Software: Synchro/SimTraffic, VISUM, VISSIM, ArcGIS, Sidra, EMME, TransCAD
Foreign Languages: Fluent in Cantonese. Proficient in Mandarin, French, and German
Management: Microsoft Project, Trello, Slack, Notion

RELEVANT PROJECTS:

Meals with Friends | *https://github.com/nchan7/meals-with-friends*   *August 2019*
▪ App allows users to grow their friend network and read their friends' reviews for food establishments
▪ The full-stack app employs the MERN (MongoDB, Mongoose.Js, Express.js, React.js, and Node.js) Stack including Typescript and React Hooks

Safehouse | *https://github.com/nchan7/safehouse/tree/nathanbranch*   *July 2019*
▪ Placed third at a two-day hackathon project with a team of 2 UX/UI designers and 3 web developers.
▪ Web app uses an Unreinforced Masonry API from the City of Seattle to show building risk levels using React.js.

Trail Blazer | *https://github.com/nchan7/trailblazer*   *July 2019*
▪ Employed Node.js, Express.js, EJS, Postgres, SQL/Sequelize, Javascript, HTML/CSS (Bootstrap v4)
▪ Web app draws from the Hiking Project API, Dark Sky API, Mapbox API that allows users to search a list of trails near a certain location, favorite them, and leave a review.

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.

PREVIOUS EXPERIENCE:

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)

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*