Nathan H. Leung

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Summary

Hi, I'm Nate. I'm originally from a suburb of Philadelphia, PA. I taught myself how to code before college, and I entered the University of Michigan in September 2018, where I discovered interests in math, economics, and personal writing.

Looking to get more real-world experience after my freshman year of college, I left school in May 2019. Over the summer, I interned at Google. That October, shortly after the founders went through YC's Summer '19 batch, I joined Jupiter as their first hire. Outside of establishing a strong engineering organization and codifying the company's guiding development philosophies and practices, I spent a year building end-to-end systems with TypeScript, React, Kotlin, gRPC, and Kubernetes.

During my gap year at Jupiter, I also established California residency by living, voting, and paying taxes in San Francisco. Because of my new domicile, I intend to transfer to a UC school in Fall 2021 with an anticipated graduation date of May 2023, and I officially phased out of my role at Jupiter in November 2020 in preparation for that. As of this writing, I'm spending the next few months writing transfer applications and completing transfer prerequisite courses at the College of the Canyons. I'm looking forward to being a student again in September 2021.

Education

College of the Canyons, *GPA: 4.00/4.00*   **Santa Clarita, CA**
IGETC for Transfer to UC   *June 2020 - Intended June 2021*
- Completed IGETC, now taking major prereqs.; targeting transfer to UC school in fall '21 with an anticipated grad. date of spring '23

University of Michigan, *GPA*: 3.87/4.00, **CS GPA: 4.00/4.00**   **Ann Arbor, MI**
Intended Bachelor's Degree   *September 2018 - May 2019*
- Took classes in math, computer science, philosophy, economics, personal writing
- Most frequent grade on transcript is A+; 4.0 computer science GPA; survived honors real analysis (MATH 297)
- Executive board member of StartUM student startup incubator, developer on Michigan Daily student newspaper web team, member of MRun club running team

Work Experience

Ramp … *Series A fintech startup founded in 2019 backed by Founders Fund (ramp.com)*   **Remote / New York, NY**
Incoming Software Engineering Intern   *Starting March 2021*

Jupiter … *seed-stage grocery delivery startup founded in 2019 through Y Combinator (jupiter.co)*   **San Francisco, CA**
Employee #1, Software Engineer   *October 2019 – November 2020*
- Migrated existing frontend code from JavaScript to TypeScript, reducing runtime bugs and increasing confidence in nontrivial refactorings
- Designed customer-facing web app from scratch in Figma and created an isomorphic shared component library to implement the design (currently also used in our React Native mobile app)
- Created protoc plugin to generate GraphQL types, enabling rapid deployment of a compatible GraphQL server in front of our existing gRPC backends with no type duplication
- Set up a self-hosted NPM registry to encourage code sharing and used a combination of Rollup and Webpack to optimize JavaScript bundle generation, cutting shipped bundle size by 75%
- Implemented CD via Netlify, Terraform Cloud, and CircleCI for consistent, reliable releases across our frontends, infrastructure, and Docker images respectively
- Wrote infrastructure-as-code config for Kubernetes architecture with Envoy edge proxy and SSL termination
- Sourced, interviewed, and hired an intern

Google … *publicly traded search startup founded in 1998 by University of Michigan grad (google.com)*   **Mountain View, CA**
Software Engineering Intern   *May 2019 – September 2019*
- Received Google's secret coding challenge while searching and ended up being hired through it (n8c.co/google-internship)
- Matched with a team building a virtualization solution for Nest and Google Home (smart speaker/smart home) devices to enable automated firmware tests that otherwise would have to be conducted manually
- Worked with Borg/protos (infra), Java Apps Framework/gRPC (backend) and TypeScript/Angular (frontend) for a service status dashboard, revealing insights such as most commonly virtualized devices, rate of virtual device creation errors, and gross usage

Honors and Interests

- **Honors:** Wissahickon High School *summa cum laude*, cross-country captain, National Merit Scholar, AP Scholar with Distinction (13 exams, all 5s), three-day out-of-school suspension, voted "Most Likely to Take Over the World" senior superlative, tried Michigan honors math program for one semester, college dropout, D.E. Shaw Nexus Fellow, Neo.com member
- **Interests:** Distance running (4:36 mile, 16:41 5K PR), hiking the Wissahickon Green Ribbon, cycling the Schuylkill River Trail, jogging through Golden Gate Park, country music, driving on cruise control, writing, *The Office*, *Community*, *Harold & Kumar Go to White Castle*, Matt Levine's *Money Stuff*, rate chasing, churning, taking public transit, flying on Tuesdays, California, Mountain West, Costco, Chick-fil-A

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Work Experience (Continued)

Suap … *location-based social messaging app founded in 2018 (getsuap.com)*   **Hershey, PA**
Founder   *April 2018 – Present*
- On the backend, deployed Node.js, GraphQL, PostgreSQL, RabbitMQ, Websockets, JSON Web Tokens, Terraform (Infrastructure-as-Code), AWS (EC2, S3, SES, Route 53, VPC, CodeDeploy), NGINX
- On the frontend, used Webpack, React, React Native
- The app's 1000 registered users have posted messages all over the world, from Shanghai to San Francisco
- Yik Yak what?

Leung Enterprises … *software development and technical consulting business*   **Philadelphia, PA**
Founder   *September 2014 – Present*
- Maintain open-source GitHub project install-peerdeps with 213 stars depended on by Airbnb's Enzyme testing utility (https://github.com/nathanhleung/install-peerdeps)
- Launched mobile app Issa Caption to generate Instagram captions from photos which received press coverage in The Ringer (https://www.theringer.com/tech/2018/11/6/18067216/clever-instagram-captions-industry-apps-issa-caption)
- Designed Wordpress website for YouTuber JohnyJ25 with over 300,000 subscribers and 70,000,000 lifetime views (johncomproductions.com)
- Designed website for Premia Re, an insurance startup which has raised over $500 million (premiaholdings.com)
- Developed Final Grade Calculator app with 30,000 downloads
- Ate fine Indian cuisine on the regular courtesy of saffronofphilly.com

Wrinkl … *cloud-based group messaging platform*   **Conshohocken, PA**
Intern   *July 2018 – August 2018*
- Designed third-party integration API in Haskell and developed Giphy API hook with Scotty and Aeson which saw usage across all tenants in a matter of days
- Analyzed AWS EC2 utilization and terminated underutilized instances to reduce instance costs by 30%
- Built starter Docker image with prebuilt development dependencies to decrease developer onboarding time from 2 weeks to 3 days
- Attended sales meetings, onboarded new clients, and analyzed market conditions to contribute to product decisions