

Nathan H. Leung

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SUMMARY

I'm **Nathan H. Leung**, a student at the **University of Michigan** majoring in **computer science**, exploring interests in mathematics, writing, psychology, and philosophy. I'm currently living in the Mission District in San Francisco, and I'm working on the Nest team (formerly Home) at **Google** in the Mountain View HQ. I share my thoughts on my personal blog at **blog.nathanhleung.com**.

EDUCATION

University of Michigan, GPA: 3.87/4.00, **CS GPA: 4.00/4.00**

Ann Arbor, MI

Intended Bachelor of Science in Computer Science, Mathematics

2018 - 2021 (expected)

- **A+** in EECS 280 (**Data Structures**), MATH 217 (**Linear Algebra**), MATH 465 (**Combinatorics**); survived MATH 297 (**Real Analysis**)

WORK EXPERIENCE

Google ... small startup founded in 1998 by University of Michigan grad (google.com)

Mountain View, CA

Software Engineering Intern

May 2019 – August 2019

- Completed and excelled in Google's **secret coding challenge**; one of very few first-year full software engineering interns
- Working on **infrastructure** and **full-stack** in Java and TypeScript for Google Nest product line (prev. known as Google Home)
- Taking Stanford CS229 (Andrew Ng's **machine learning** class) online during 1.5-hour reverse commute from SF

Suap ... location-based social messaging app (getsuap.com)

Philadelphia, PA

Founder

April 2018 – May 2019 (on hold)

- 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, implemented Webpack, **React**, React Native
- The app's **900 registered users** have posted messages all over the world, from Shanghai to San Francisco

Leung Enterprises ... software development business (leungenterprises.com)

Philadelphia, PA

Founder

September 2014 – May 2019 (on hold)

- Maintain open-source GitHub project install-peerdeps with 130 stars **depended on by Airbnb's** Enzyme testing utility
- Launched mobile app Issa Caption to generate Instagram captions from photos which **received press coverage** in *The Ringer*
- Designed Wordpress website for YouTuber JohnyJ25 with over 300,000 subscribers and **70,000,000 lifetime views**
- Built site for restaurant Saffron Indian Kitchen and Wissahickon High School Track, provided tech support to head coach
- Developed Final Grade Calculator app with **20,000 downloads**

Wrinkl, Inc ... local business communication startup a la Slack (wrinkl.com)

Philadelphia, PA

Intern

July 2018 – August 2018

- Designed 3rd-party integration API in **Haskell** and developed Giphy API hook which saw usage among almost all tenants
- Analyzed **AWS EC2** utilization and terminated underutilized instances to reduce instance costs by 30%
- Built starter Docker image with prebuilt dependencies to decrease developer onboarding time from 2 weeks to 3 days
- Attended sales meetings, onboarded new clients, and analyzed market conditions to make **major product decisions**

UNIVERSITY INVOLVEMENT

StartUM Student Startup Incubator

Ann Arbor, MI

Executive Board Member, Winter 2019; Fellow, Fall 2018

September 2018 – Present

- One of 20 selected from 100 applicants for semester-long education program, learning lean startup method and product design
- Working on Suap, location-based social sharing app; received grants for marketing and promotion expenses
- Served as executive board member in second semester; coordinated meeting logistics (specifically, food) and member comms

The Michigan Daily Student Newspaper

Ann Arbor, MI

Developer

January 2019 – Present

- Took over development of Flask push notification server (for breaking news notifications) and worked with OneSignal API
- Fixed bugs in React Native mobile application code and refactored according to React best practices

MRun Club Running Team

Ann Arbor, MI

General Member

September 2018 – January 2019

- Ran 25+ miles a week and competed in 8K races throughout the Midwest, continuing four years of running in high school
- Achieved cross-country season PR of 29:55 at the NIRCA National Meet in Lexington, KY

HONORS, SKILLS, & 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, tried Michigan honors math program for one semester
- **Skills:** JavaScript, C++, Haskell, Entrepreneurship, Software Engineering, Autodidactism, Spanish (Limited Working Proficiency)
- **Interests:** Distance running (4:36 mile PR), startups, hiking along Wissahickon Creek, cycling Schuylkill River Trail, long-form journalism, essays, Zac Brown Band, my Twitter feed (specifically @naval), meeting new people