

# Nathan H. Leung

(267) 629-1485 | me@nathanhleung.com  
nathanhleung.com | github.com/nathanhleung

## EDUCATION

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

*Intended Bachelor of Science in Computer Science, Mathematics*

Completed courses: A+ in EECS 280 (Intro. Data Struc.); A+ in MATH 217 (Linear Algebra); A+ in COGSCI 200 (Intro. Cognitive Sci.)

In progress: MATH 465 (Intro. to Combinatorics); MATH 297 (Honors Intro. to Analysis); PPE 300 (Intro. to Political Economy)

**Ann Arbor, MI**

*Expected 2018 - 2021*

## WORK EXPERIENCE

**Google**

*Incoming Software Engineer Intern*

- Building test infrastructure for Google Home at Mountain View headquarters in Summer 2019

**Wrinkl, Inc**

*Software Engineer Intern*

- 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

**Mountain View, CA**

*May 2019 – August 2019*

**Philadelphia, PA**

*July 2018 – August 2018*

## PROJECTS

**Suap**

*iOS/Android Application*

- Location-based social messaging app. Implemented GraphQL, PostgreSQL, RabbitMQ, Websockets, JSON Web Tokens, Terraform (Infrastructure-as-Code), AWS (EC2, S3, SES, Route 53, VPC, CodeDeploy), NGINX, Webpack, React in production.

**Ann Arbor, MI**

*Current*

**Issa Caption**

*iOS/Android Application*

- Instagram caption generator built with Node.js using machine learning to match photographs to Kanye/Drake lyrics
- Received press coverage in Bill Simmons' sports and culture blog *The Ringer* ([bit.ly/2SRJvGQ](https://bit.ly/2SRJvGQ))

**Ann Arbor, MI**

*October 2018*

**Deriving the Y Combinator in JavaScript**

*Publication*

- Step-by-step derivation of the fixed-point combinator; on front page of Hacker News; 10,000+ views (<https://bit.ly/2Q4bEg4>)

**Philadelphia, PA**

*July 2018*

**install-peerdeps**

*Open-Source Node.js Project*

- Creator and maintainer of open-source Node.js project on GitHub with over 250,000 downloads, recommended on Airbnb's ESLint config, with 114 stars and 9 merged external pull requests

**Philadelphia, PA**

*January 2017*

**Final Grade Calculator**

*iOS/Android Application*

- Mobile application to calculate grades needed to pass, built with Angular.js/Ionic with 20,000+ lifetime downloads.

**Philadelphia, PA**

*June 2016*

## UNIVERSITY INVOLVEMENT

**StartUM Student Startup Incubator**

*Board Member, Winter 2019; Fellow, Fall 2018*

- Selected to participate in semester-long education program, learning lean startup methods and product design
- Working on Suap, location-based social sharing app built with React Native and Node.js
- Recipient of \$100 StartUM grant for marketing and promotion expenses

**Ann Arbor, MI**

*September 2018 – Present*

**MRun Club Running Team**

*General Member*

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

**Ann Arbor, MI**

*September 2018 – Present*

## HONORS, SKILLS, & INTERESTS

- **Honors:** Wissahickon High School *summa cum laude*, National Merit Scholar, AP Scholar with Distinction (13 exams, all 5s)
- **Skills:** JavaScript, C++, Haskell, Entrepreneurship, Web Development, Spanish (Limited Working Proficiency)
- **Interests:** Distance/mid-distance running (4:36 mile PR), weightlifting, Tim Ferriss podcast, startups, hiking along Wissahickon Creek, cycling Schuylkill River Trail, Philadelphia, San Francisco Bay Area, Iberian Peninsula