

# Jonathan Chan

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## EDUCATION

### Northwestern University

Evanston, IL  
Class of 2020

*B.S. Computer Science*  
*Minor in Linguistics*  
School of Engineering  
GPA — 3.7 / 4.0

## SKILLS

### Programming

iOS · Swift / Obj-C  
React · React Native  
TypeScript · Node  
Rust

Python  
Racket

PHP

Agile / Scrum

### Languages

English  
Chinese · Cantonese  
French

## COURSES

Systems Prog. w/ Rust  
Computer Networking  
Machine Learning  
Digital Forensics

## INTERESTS

Cooking · Baking  
Cycling · Urban Design  
Travel · Languages  
UX Design

## PROFESSIONAL EXPERIENCE

### Software Engineering Intern

Convoy · Seattle

July - September 2019

- Designed and launched a new automation workflow for shipment operations team to better manage staff allocation. Saved 3,000 human-hours per year.
- Empowered teammates to reach company goals by automating monthlong emails chains, with a product giving instant actionable feedback on staffing.
- Architected a full-stack web product using Postgres, Node, GraphQL, and React. Testing, profiling, and rollout with Jest, Datadog, and LaunchDarkly.

### Software Engineering Intern

Fulcrum GT · Chicago

June - September 2018

- Designed a mobile app to help travellers split bills and prevent disputes.
- Led development of an iOS app with Core Data, and a React web client, with Socket.IO for real-time bill-splitting, and adapted backend with teammates.
- Launched a streamlined user experience by working closely with designers and product managers, in a fast-paced Agile environment.

### Teaching Assistant · Rust, Data Structures, Intro to CS

Northwestern University

March 2017 - Present

- Challenged myself to become the most junior TA for Rust, a grad-level class. Impacted future classes by composing projects with experimental async Rust.
- Took initiative to compose Intro to CS's first official study guide using tangible analogies, helping students thrive beyond office hours.

## PROJECTS & LEADERSHIP

### MeowlWatch iOS App

Northwestern University · [appsto.re/us/SnDTib.i](https://appsto.re/us/SnDTib.i)

April 2017 - Present

- Launched an independent iOS app, for students to budget meals and find places to eat, by reverse-engineering HTTP requests to display relevant data.
- Created a product used by 4,500 students with 60 paying users and 100 daily users, integrated with iOS using StoreKit, NotificationCenter, and SiriKit.

### .dev Co-Founder and Software Officer

Northwestern University

May 2017 - Present

- Founded a new community for motivated developers, with 50 active members, emphasising inclusivity, diversity, and applied exploration.
- Inspired members to overcome product hurdles by organising workshops about industry technologies, academic topics, UX, and entrepreneurship.