

## 📖 EDUCATION

**Northwestern University (GPA: 3.92)** / Evanston, IL

2016 - Present

- **Bachelor's in Computer Science** with Segal Design Certificate, Expected June 2020.
- **Teaching Assistant** / Human Computer Interaction, Fundamentals of Computer Programming
- **Programming Coursework** / Algorithms (C++), Code Analysis and Transformation (C++, LLVM), Systems Programming (Rust), Databases (SQL), AI (Python), ML (Python), Game Development (C#), HCI (HTML, CSS, JS)
- **Design Coursework** / Visual Communication Design, Service Design Studio, Information Design

## 🏢 EXPERIENCE

**Incoming Fellow** / IDEO CoLab (Selected for fellowship with IDEO's world class team)

Nov 2019

**Software Engineering Intern** / Walmart Labs (Technology arm of Walmart)

Summer 2019

- Leading engineering for a new seller-facing product with potential for \$2 Billion worth of sales. Using backend technologies like Java, Solr, and Clickhouse, and frontend technologies like React Native, Redux, and Rxjs.

**Co-Founder** / ISO Athletic (Software for basketball stat tracking)

April 2018 - Present

- Co-founded company with 8 NCAA Division I Basketball Teams as clients. Led development on several features using PostgreSQL, Node, and Vue.js. Tested using Mocha, Chai, and SonarQube.
- Designed wireframes and pixel-perfect prototypes for entire app. New UX increased client conversion rate 2X and onboarded 2018 college basketball champions, University of Villanova. ([link to project](#))

**Software Engineer** / Oscillations (Dance animation)

June 2018 - April 2019

- Built and deployed dance-choreography AR app in React Native and Redux. Integrated 3D assets using Maya and Unity. Designed collectible cards optimized for image recognition. ([link to project](#))

**Front-end Engineer Intern** / iNet-Web (Web design and development)

Summer 2018

- Led web development and web design efforts to ship new websites for 3 clients using Node.js, Handlebars.js, jQuery, custom SCSS, Photoshop, Illustrator, and Sketch.

**Freelance Developer** / Coco Health (Counseling startup at Kellogg MBA School)

Spring 2018

- Created company website with production-level code that helped land initial clients. Product underwent 3 revisions based on client vision and website viewer analytics. / (<https://cocohealth.co>)

## 🔗 PROJECTS

- **Lock-free deque** / A lock-free double-ended queue faster than the standard library implementation / Rust
- **Compiler Transformations** / LLVM reaching definition + constant propagation pass / C++, LLVM
- **Pollen** / Social polling app for gathering opinions / React Native, GraphQL, MongoDB, ES6
- **Compañero** / Food-sharing app for uberizing the food industry / React, Rest APIs, MongoDB, Maps, Router
- **Deep Space** / Clicker game with complex architecture / C#, Unity
- **Voice-controlled Drawing** / Web app featured in Northwestern Art Exhibition / PaperJS, ArtyomJS