MILES BERNHARD

bernhard.miles@gmail.com • linkedin.com/in/milesbernhard

EDUCATION

Claremont McKenna College, Claremont, CA   **May 2022**
Bachelor of Arts, Computer Science & Philosophy
- **GPA:** 3.8 (4.0 **Harvey Mudd Computer Science**, 4.0 Philosophy)
- **Activities:** Center for Innovation & Entrepreneurship Fellow, Harvey Mudd Incubator, Gould Center Fellow
- **Awards:** Cum Laude, Philosophy Honors, Seaver Scholar (Full tuition merit scholarship), Dean's List '21 & '22

EXPERIENCE

One – Boston, MA   **Nov 2023 – Present**
Software Engineer
- Full-stack engineer working at financial services startup backed by Walmart and Ribbit capital

Roku – Boston, MA   **Jun 2021 – Nov 2023**
Software Engineer, Ad Engineering, Sep 2022 – Nov 2023
- Full-stack engineer developing features from database to frontend in new flagship self-service ad platform
- Work closely with product and engineers to make design and architectural decisions through alpha, beta, and GA
- Led execution and documentation of integration with internal emailing service that is followed organization-wide
- Technologies used: Typescript, React, Node.js, Prisma, Material UI, Cypress, Jest, micro apps and microservices

Software Engineering Intern, Customer Interface, Ad Engineering, Jun 2021 – Aug 2021
- Developed dashboards for new analytics suite in enterprise Angular application for advertisers and publishers
- Implemented new high-priority feature requested by stakeholders that provided users with preset report templates
- Improved navigation and routing, rewrote test suites, performed code review, practiced partner programming
- Technologies used: Angular, Typescript, HTML, CSS, Mocha, Sinon, RxJS, AWS, Jenkins, GitHub, git

Lastmile Retail – New York City, NY   **Jun 2020 – Aug 2020**
Associate Product Management Intern
- Developed user stories, product requirements, and wireframes for four new interfaces for customer facing product
- Interviewed customers and developers to inform designs, communicated with developers through implementation

Indigo Ag – Charlestown, MA   **Jun 2018 – May 2020**
Software Engineering Intern, GeoInnovation Team, Jun 2019 - Aug 2019, Oct 2019 - May 2020 (Remote)
- Automated ingestion of 10 international crop reports that drive customer-facing yield models, yielding ~5 times more data per report. Backfilled hundreds of historical crop reports increasing database size by ~1000 times
- Implemented Python feature that successfully detected and alerted on missing or anomalous data with PagerDuty

Software Engineering Intern, Developer Operations, Jun 2018 - Aug 2018, Sep 2018 - May 2019 (Remote)
- Designed, built, and deployed a Slack application to interface with an in-house developer tools CLI (used daily)
- Implemented new Lambda function to report customer activity and build/deploy times and to Datadog dashboards

Pingup – Boston, MA   **Jul 2017 – Aug 2017**
Software Engineering Intern
- Implemented web-driven feature in Java backend to confirm customers' businesses were bookable on publishers
- Researched geotagging vendors and presented to team, created permutations of Alexa phrases using Python

PROJECTS & LEADERSHIP EXPERIENCE

Shopify Clinic Project: Project manager of capstone project developing VR prototypes   **Sep 2021 – May 2022**
Quantum Productions: Co-Founder and CTO of On-Campus Music Events Club   **Sep 2019 – May 2022**
To-Do List: To-do list web app for semester long Interaction Design project (React & Firebase)   **Sep 2021 – Dec 2021**
NextUp: Designed music events app, built landing page and prototype, HMC INQ participant   **Jun 2020 – Jun 2021**
Image Colorizer: Image colorizing app for Software Development project (Flask & OpenCV)   **Jan 2021 – May 2021**
Center for Innovation and Entrepreneurship: Leadership Team, Events Manager   **Mar 2020 – May 2021**
LARapped: Co-Creator, built website and conducted data analysis for research fellowship   **Sep 2019 – May 2020**

SKILLS & INTERESTS

Technical: Experienced in Typescript, JavaScript, Angular, React, Node.js, Express, HTML, CSS, Python, Pandas, Selenium, Java, Git, GitHub, Google Cloud, AWS, Flask, Docker. Familiar with Haskell, C++, Bash, CircleCi, SQL
Non-Technical: Microsoft Office, Photoshop, Wireframing, Balsamiq, Adobe XD, Agile, JIRA, Confluence, Kanban