

Irena Lee

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EDUCATION

University of Texas at Austin

Austin, TX

B.S. in Computer Science, B.A. in Economics, Certificate in Applied Statistics

Aug. 2019 – May 2023

GPA: 3.92 | **Relevant Courses:** Algorithms, Data Structures, Operating Systems, Compilers, Object Oriented Programming, Neural Networks, Intro to Data Mining, Computational Brain, Probability, Linear Algebra

EXPERIENCE

Stripe

May 2022 – Aug. 2022

Software Engineer Intern - Payments API

San Francisco, CA

- Built a ratchets test suite using **Java** to assert and scrutinize existing database operations and prevent latency creeps
- Cut weekly ops review process from 3 hours to 2 minutes by developing a **Hubble** dashboard to visualize broken Payment Intent records in different dimensions
- Improved the developer experience and database consistency across the online **MySQL** database and offline **Presto** database by implementing a migration for the Payment Intent Resumable Task table

Coinbase

Jan. 2022 – April 2022

Software Engineer Intern - Cards

Remote

- Expanded the original Bank Identification Number Check service to support 8 digit card BINs from 6 digit BINs using **Go**, **Ruby**, and **PostgreSQL**
- Facilitated 100% rollout by implementing a feature flag to gradually release to production
- Made third party payments verification in European countries more convenient by supporting the new 3DS2 system using **Ruby**

PayPal

May 2021 – Aug. 2021

Software Engineer Intern - Debit Cards

Remote

- Developed **JavaScript** scripts to create test users for testing newly-added countries as part of the EU Expansion
- Worked alongside full-time engineers picking up **Jira** tickets to update front-end components of PayPal's Business Debit MasterCard website for the EU Expansion countries

Department of Computer Science, University of Texas at Austin

June 2020 – Dec. 2021

Data Structures Undergraduate Teaching Assistant

Austin, TX

- Led weekly discussion sections for 25 students covering data structures and algorithm topics including linked lists, recursive backtracking, Red-black trees, and Huffman coding in **Java**
- Chosen as one of twelve teaching assistants from over 30 applicants

PROJECTS

Path | React, Nivo, Figma

Aug. 2020 – June 2021

- Worked with Dell Medical Center physicians to design and create a mobile app to provide patients pre-surgery health routines
- Created a patient dashboard for the web interface in **React** with UI components from the **Nivo** library
- Designed the account settings, login pages, and daily activity tracker for the mobile interface using **Figma**

LEADERSHIP & ACTIVITIES

Women in Computer Science | Corporate Liaison

Aug. 2019 – Present

- Reached out to over 50 potential sponsors and organized weekly networking events with the existing 31 sponsors

Texas Product Engineering Organization | Social Director & Engineering Fellow

Aug. 2020 – Present

- Worked with student teams to design, build, and launch software products to deliver real-world impact for local community projects every semester

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Go, Ruby, SQL (Postgres, MySQL), JavaScript, HTML/CSS

Tools: React, JUnit, Git, Docker, AWS, Jira, Confluence