

Education

Massachusetts Institute of Technology, Cambridge, MA
BS in Computer Science and Engineering

GPA: 4.60/5.00
2022 May

Honors and Scholarships

MIT Albert G. Hill Prize 2021, Palantir Future Fellowship 2021, Great Minds in STEM Scholar 2020

Work Experience

Twitter, Inc., Remote
SWE, Intern

2021/06 – Present

- Introduced new Zipkin tracing to sample queries from Edges Services and saved them to BigQuery
- Scheduled daily job to save metrics of the queries each graph and partition receive in GCP
- Developed front end tool for engineers to identify pain points and trends in partition/graph load

Laboratory for Information & Decision Systems, Cambridge, MA
Undergraduate Researcher

2021/08 – 2021/05

- Developing a policy that can test and quantify the effect of content curation on user learning
- Building a recommendation system using content filtering and matrix factorization algorithms
- Creating learning agents to track the effect of different feeds on decision making in users

Facebook, Inc., Remote
Software Engineering Intern

2020/06 – 2020/08

- Developed messenger chat plugin for businesses to communicate with new users on third party websites
- Created new tool to load this chat plugin internally for debugging, E2E, and snapshot testing
- Refactored the web controller to use class-based evaluator for whitelisting pages

TownSq, Dallas, TX
Software Engineering Intern

2019/06 – 2019/08

- Developed business product in Angular JS to display average feedback reviews for managers to use
- Attended Data Lab @ AWS to develop data lake and data warehouse using S3, Glue Jobs, and other AWS technologies to manager user feedback data

Facebook, Inc., Menlo Park, CA
Facebook University Software Engineering Intern, Evergreen and Traffic Infrastructure

2019/06 – 2019/08

- Developed an Android application called Skillshop that allows users to post workshops they want to teach and the ability to sign up for public workshops connecting them to the teacher and other students in the class
- Learned Android Studio and implemented various Google APIs in a team of three in 5 weeks

Leadership/Volunteering

Society of Hispanic Professional Engineers (SHPE), President

2020/05 – Present

- Empower the MIT Latinx community through company/community outreach events
- Delegate weekly responsibilities to all executive members to ensure successful event coordination
- Coordinate events with diverse company portfolio to allow members to gain professional skills and job opportunities

Latinos in Science and Engineering (MAES), Vice President of Internal Relations

2020/05 – Present

- Manage mailing list and distribute professional and academic opportunities to members.
- Develop and manage website with sponsor info
- Manage group docs like resume books and sponsor contacts

Technical Skills

<i>Programming</i>	Java, Python, JavaScript, Scala, C++, L ^A T _E X, C#, SQL/SQLite, PHP
<i>Technologies</i>	Arduino, Android Studio, Git, UNIX, Vim, Heroku, Unity, AWS, Eclipse, VS Code, D3.js, Tableau, GCP, BigQuery, Docker/Containers, Kubernetes/k8s
<i>Languages</i>	English (Native), Spanish (Native)