MATTHEW KRAGER

Software Developer

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education

Harvey Mudd College '21
B.S. Computer Science CS
Principles of Computer Science
Computational Creativity
Discrete Math
Data Structures
Logic and Computability
Databases
Programming Languages
Software Development

skills

Frontend: Swift, React, Vue.js, ObjC, HTML, JS, CSS, Bootstrap
Backend: Ruby on Rails, Golang, SQL, AWS, Heroku, Relational DBs
Design: Photoshop, Sketch, GIMP
Other: Git, Python, Java

activities

5C Software Club
President and Founder
2018 – Present
- prepared meetings full of presentations and networking
- hosted interview and personal project workshops

Major League Hacking
Lead Organizer and Participant
2017 – Present
- organized an MLH Hack Day attended by over 70 and sponsored by several companies

Robotics FRC Team 3309
President and Programmer
2013 – 2017
- programmed, tuned, and profiled an automatic turreted shooter (2nd at World Champs)
- oversaw 50+ people in team operations

Tech and Innovation Club
President and Founder
2015 – 2017
- exposed students to STEM through opportunities such as a tech fair attended by 17 companies
- received $1000 grant from Disney

experience

Stripe & Kleiner Perkins — Summer 2020
Software Intern & KP Fellow
- Upcoming Summer 2020

Facebook — Winter 2020
Software Intern
- Scoped out a solution to track and view decisions made by Facebook's automated candidate interview scheduler
- Designed and implemented a system for tracking all present and future events that occur for over 2.5 million applicants within Facebook's recruiting cycle
- Hosted several test and review sessions to iterate and scope out future additions
- Presented as main speaker at a recruiting all-hands with over 90 FB engineers in attendance

Yelp — Summer 2019
Core iOS Software Intern
- Laid the foundation for many future projects by designing, managing, and executing an Epic that switched the app's dependency manager from Cocoapods to Carthage
- Converted the Yelp Biz App to Swift 5, resolving many concurrency issues introduced
- Parallelized the Yelp push-master script, decreasing runtime by 60%
- Served as on-point for my team and led the response to a severity 1 issue
- Worked closely with a PM to get my idea into active development following Yelp's Hackathon

Koder LLC — May 2017 - May 2019
Software Intern and Developer
- Worked on several production iOS apps in Swift including Plei, a soccer matchmaking app
- Scraped data from over 10,000 online resumes and stored the results in a relational DB
- Wrote and deployed several REST APIs and database schemas using C# and Azure

Simpol — January 2018 – May 2018
iOS Consultant
- Fixed bugs and solidified the user experience by adding new animations
- Created sophisticated ViewControllers with Swift and Apple's Auto Layout

Google CodeU Participant — Summer 2017
- Built a chat app with a team of 3; participated in code reviews with a Google Engineer

projects

Coaster Builder - Awarded Apple's WWDC 2019 Scholarship
- Created a 2D amusement park tycoon game

Mentor - Won 1st place at HackCU and was awarded over $1k in prizes
- Wrote an atom-integrated cross compiler to translate Python into Golang and an iPad dashboard to showcase the translation process

Cashpost
- Started a platform which allows businesses to reward customers for sharing their experiences on social media; Written in React.js, Ruby on Rails, and Swift

Pathway - Placed 2nd at SDHacks and received $1.5k in prizes
- Used ARKit and CoreLocation to create an indoor navigation system to lead those with disabilities to the amenities they need

Orange County Regional Application
- Collaborated with FIRST Robotics to build an app and dashboard that modernizes the logistics of a robotics competition; the app was live for the event attended by over 2000

React Fast - Developed a reaction game using SpriteKit; 3000+ downloads on the App Store