

Jody M. Lin

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EDUCATION

University of California, Los Angeles

Expected Graduation: 2022

Bachelor of Science, Computer Science

GPA: 3.94

Honors: Dean's Honors List, Upsilon Pi Epsilon (UPE)

SKILLS

Programming Languages: C, C++, Python, HTML/CSS, JavaScript, Java, Dart

Amazon Web Services: Lambda, CloudFormation, Kinesis Streams, DynamoDB, SQS, KMS

Others: Flutter, React.js, Git, Material-UI

WORK EXPERIENCE

Amazon Web Services (AWS Signer) *Software Development Engineer Intern*

June - September 2020, 2021

- Independently designed a scalable microservice to update untracked records containing information about AWS Signer service requests
- Implemented AWS Lambda functions to process data between DynamoDB, Kinesis, and SQS queues
- Refactored existing parts of the service architecture to ensure a smooth integration of my microservice
- Created an internal API that would manage the life cycle of keys and certificates used within the AWS Signer service workers
- Integrated AWS Key Management Service into AWS Signer workers to add an additional layer of security

UCLA ACM Hack *Former Vice President, Current Advisor*

December 2018 – Present

- Directed and taught beginner-friendly workshops on Python, HTML/CSS, JavaScript, React.js, and Android Development with Kotlin to 150+ students (found at hack.uclaacm.com/archive)
- Coordinated communication and logistics for a hackathon (Hack on the Hill) and puzzle hunt (Bruin Quest)
- Managed the growth and workload of 20 officers by guiding their participation in events and providing resources to pursue their personal goals and accelerate technical growth

Transfer Bridge to UCLA Samueli *Undergraduate Mentor*

August 2019 – September 2019

- Conducted lectures on object-oriented programming and data structures in C++ to 25 engineering transfer students in a 3-week long technical bootcamp that culminated in a 3-day hackathon
- Led front-end development for a mobile app to control a robotic arm with HTML/CSS and JavaScript

PROJECTS

UCLA ACM Hack Website hack.uclaacm.com

January 2019 – Present

- Led the development of UCLA ACM Hack's website created with React.js and Gatsby, guiding the vision of the website and onboarding new officers to the development team
- Implemented the front-page blog list feature that queries through a collection of blog posts with GraphQL and displays previews of the four most recent posts
- Created the workshop archive page that compiles an organized list of every workshop ever taught and provides associated tags and links for each event

Routine Machine *Mobile Flutter Application*

March 2021 – June 2021

- Spearheaded the design of a secure mobile application that tracks daily routines and shares progress with friended users, all while client-side encrypting all data for increased security
- Led the front-end development using Flutter and implemented habit tracking widgets and a Followers page
- Collaborated with teammates to plan weekly sprints and complete a functioning MVP for testing