Samuel C. Hsu

samuel01hsu@gmail.com   github.com/samchsu   linkedin.com/in/samuel-hsu   samchsu.github.io

EDUCATION

San Diego State University   San Diego, CA
Bachelor of Science in Computer Science   *Aug. 2017 - May. 2021*

EXPERIENCE

Associate Software Engineer   San Diego, CA
XiFin   *May 2021 - Present*
- Migrated 150+ interfaces from BizTalk Server to Mirth Integration Engine with the LIS Interface Team
- Developed and maintained 20+ new Mirth interfaces utilizing Java Libraries + JavaScript to allow data flow into/out of the Laboratory Information System. This included transforming XML, PDF, Text, Raw, HL7 files to improve interoperability in Healthcare
- Utilized SQL Database Server to securely store files containing Patient Health Information (PHI) and integration configurations
- Debugged Interfaces by understanding the C# codebase
- Worked with Unix and EDI Teams to configure SFTP using internal FTT (File Transfer Tool) and VPN connections (IPs and Ports) in order to reach customer endpoints
- Collaborated with Vendors and Project Managers to ensure all interfaces/integrations meet customers' expectations

Full Stack Developer   San Diego, CA
Mathly   *Nov 2020 - Sep 2021*
- Developed a Stripe payment/checkout system that uses Express Serverless as Backend and ReactJS as Frontend to make RESTful API requests to Stripe and store customer information, such as customerId, into MS SQL database (hosted on AWS RDS)
- Configured AWS CodePipeline to deploy from GitHub to Cloudfront
- Formulated a function that fetches data from MathPix API and parses it into readable equations

Student IT Technician   San Diego, CA
San Diego State University   *Sep 2018 - May 2020*
- Evaluated and restored broken computers using Microsoft Deployment Tool
- Understood both computer hardware and software to accurately report results to supervisor
- Communicated effectively with professors and students upon deployment of their systems

PROJECTS

- **Daily Snapshot (MERN Stack Application)**
  - Deployed a Full Stack Web Application by using ReactJS Frontend and NodeJS with Express Backend to connect with MongoDB
- **Spootify (Web Application)**
  - Deployed a Web Application that utilizes Spotify API to obtain and display user's most played tracks within a specified time period
- **Web Portfolio (React Site)**
  - Designed and built a website with React that demonstrates my Javascript, HTML, and CSS knowledge while showcasing my projects

PROGRAMMING SKILLS

- **Languages**: Javascript, HTML/CSS, C, C#, Python, Java, SQL, XML
- **Technologies**: AWS, React, Express, Git, Linux, Jira, Mirth