Samuel C. Hsu

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EDUCATION

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

EXPERIENCE

- **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

- **A* Path-Finding Visualizer (Python Application)**
  - Created a Pygame Application that displays how the algorithm searches for the shortest path using a heuristic approach

- **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

- **Technologies**: AWS, React, Express, Git, Linux, Windows, MacOS