linkedin.com/in/qingyushen
github.com/qingyushen

ADAM QINGYU SHEN

(858) 832-3115
qis025@eng.ucsd.edu

EDUCATION

University of California – San Diego   **Sept 2016 – Mar 2021**

- **B.S./M.S** in **Computer Science,** with Provosts Honors. **Major GPA**: 3.98
- Coursework by Summer 20': *Operating Systems; Algorithms; Computer Networks; Networked Services; Client-side programming; Artificial Intelligence: Search and Reasoning/Statistics*

LANGUAGES AND TECHNOLOGIES

- **Experienced:** C++; C; C#; Java; Python; HTML; **Proficient:** JavaScript; Dart; Swift; SQL; CSS
- MySQL; Angular; Ionic; Spring boot; .NET; Firebase; Android Studios; Docker; Kubernetes; AWS; iOS

TECHNICAL EXPERIENCE

Software Engineer Intern   **GoDaddy**   **June 2019-Sept 2019**

- Improved the SmartLine iOS app by adding Google Analytics to analyze sign-up behavior
- Utilized customer feedback to design and implement UI changes and bug fixes for iOS
- Utilized Docker and Kubernetes on Amazon Web Services to improve the scalability and availability of .NET services I built for telephony operations such as media retrieval and spam filter
- Implemented cleanup scripts of ingress rules for application deployment cycle

Software Engineer Intern   **Baosight Software**   **July 2018 – Sept 2018**

Mobile and Web App Team

- Redesigned and implemented a hybrid mobile app to help manage and automate daily tasks
- Implemented Java Spring boot RESTful web service connected to MySQL database
- Implemented Android and iOS front-end using Ionic Framework (Cordova + Angular)
- Implemented security and authentication features using JSON Web Tokens and encryption algorithms

CSE Tutor   **UCSD CSE Department**   **Mar 2018 – June 2019**

- Tutor for Advanced Data Structures in C++
- Held 6-10 lab hours per week for a cohort of 400+ students
- Analyzed and debugged student's code by explaining course concepts, improving runtime, and analyzing complexity

PROJECTS

- **Router Implementation** (2019)

  Technologies used: *C, C++*
  - Implemented a router running on Mininet that could receive ethernet frames and would respond by forwarding them, generating ICMP messages, and dropping them
  - Utilized protocols such as ARP, IP, TCP, UDP with checksum validation and is capable of handling ping and wget requests
- **Couch Potatoes** (2017)

  Technologies Used: Android Studios, Firebase, Java
  - Dating app for UCSD students with a unique twist by having games and fun questionnaires to relieve first-impression anxieties.
  - Implemented features such as instant messaging using Firebase and page navigation
  - Winner of **Best Project** by majority vote out of 24 total projects during a project demo day

- **GoDaddy ChatBot** (2019)

  Technologies used: Google Dialogflow, Python Flask webapp
  - Designed and developed a chatbot to reduce the complexity of finding services that GoDaddy offers to customers on their website
  - Utilized Dialogflow, a machine learning chatbot API, to train the bot and redirect the user to specific GoDaddy URLs directly based on chat without user having to navigate the website