Thanh Nguyen

669.600.9316 | tnguyen1138@gmail.com| Berkeley, CA | https://thanhnguyen6.github.io/

EDUCATION

University of California, Berkeley   Expected Dec 2020
Bachelor of Arts, Majors: Computer Science

Relevant courses: The Structure and Interpretation of Computer Programs| Data Structure| Great Ideas of Computer Architecture (Machine Structures) | Computer Security | Efficient Algorithms and Intractable Problem| Introduction to Database Systems | Introduction to Artificial Intelligence| Introduction to the Internet: Architecture and Protocol| Operating Systems and System Programming | Designing Information Devices and Systems II|Front-End Web Architecture|

EXPERIENCE

Loan Factory, Inc   June 2019 – August 2019
Software Engineer Internship   San Jose, CA

- Worked in a team of 4 to build a website for insurance aspect of the company using sprint planning
- Created a responsive front end using Bootstrap, Pug and designed schema using NoSQL databases MongoDB
- Web Scraping with Selenium to get information to develop the business

Ohlone College   February 2017 – May 2018
Computer Science Tutor and Accounting Tutor   Fremont, CA

- Improved tutee's test scores over the semester by reviewing class materials, designing, and developing practice questions, and guiding them to the needed resources
- Built strong personal relationships with tutees by listening to their academic and personal life stories and giving advice

UC Berkeley, Classes Projects

Computer Security   August 2019 – December 2019

- Build the client for End-to-End Encrypted File Sharing System in Go using cryptographic schemes: HMAC, AES-256, RSA, PBKDF. The client will allow users to store and load files, share files with other users, and revoke access to a shared file from other users on unsafe server.

Data Structure   January 2019 – May 2019

- I and my partner Jerry Lai wrote Build Your Own World game. We applied the data and algorithms structures (Graph, HashMap, KD Tree, Queue) that we learned through the semester to create a game for 2 players with random world using Java and StdDraw.

SKILLS AND INTERESTING

- Computer: C, C++, Java, Python, Go, JavaScript, HTML, Selenium WebDriver, SQL, Git, Linux, GDB, Swift, JUnit Testing, Ruby on Rails, Cucumber
- Certificate: IBM Certified Administrator - Security Guardium V10.0

EXTRACURRICULAR INVOLVEMENTS

St. Elizabeth Catholic Church   September 2017 – May 2018
Vietnamese Teacher   Milpitas, CA

- Instructed a schoolyear long, weekly Vietnamese language class for 15 students from 3-6year-olds
- All students passed the class after benefiting from my 1:1 instruction and support

The Volunteer Income Tax Assistance (VITA)   November 2016 – April 2018
Tax Preparer   Fremont, CA

- Provided 40 + free tax preparation services to qualified individuals and families who have under $55,000 annual income, person with disabilities, and limited English-speaking taxpayers
- Committed more than 35 hours for each tax season
- Ensured taxpayers receive the best services by asking for feedback and following up with questions, and keeping confidentiality of their information