

# Khang Nguyen

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*Objective statement: I'm a senior Computer Science student, looking for a fulltime position in Software Development field, concentrated on General, Back-end*

## Education

### University of California, Berkeley

Bachelor of Art, Computer Science and Data Science

Expected: Fall 2020

GPA 3.6

### Relevant Coursework:

Efficient Algorithm and Problems

Data Structure and OOP

Computer Security\*

Machine Learning\* (Current)

Networking & Protocol\*

Database Systems

\*currently taking

## Skills

Languages: Advanced: Python, Java, C++. Proficient: SQL, C, Scheme, R, JavaScript.

Libraries: OpenCV, Matplotlib, Numpy, Pandas, DataTable, Appium, Selenium, RESTful API, Android Library, Asynchronous JavaScript, async/await, AJAX and APIs, NPM, Webpack, Babel and ES6 modules

## Working Experience

### Upcoming Software Development Engineering Intern

June 2020 – August 2020

Amazon Web Services

Seattle

### Software Development Engineering Intern

June 2019 – November 2019

#### Walmart Global eCommerce

Sunnyvale, CA

- Completed more than one hundred complex test cases and successfully converted Android Automation from the Ranorex framework to Python BDD framework using Appium, Selenium.
- Collaborated closely with Director of QA, and Production Team to make Android Automation on Jenkins run daily with 100% pass rate.
- Constructed API tracking tool for analysis team to control called APIs for all platforms using JSON, Python, and Reacts.
- Replace the existing testing library to a more scalable and maintainable API
- Continue as part-time contractor to work on Web Automation and Backend Testing API

### A/V & Classroom Technology Support.

September 2018 - November 2019

#### Haas Business School, UC Berkeley

Berkeley, CA

- Leveraged a unique, organization-spanning view of the business school's opportunities and challenges to support achievement of the institution's strategic plan.
- Track incidents and solves for all issues, problems or questions related to technology services and computing at the Haas School of Business

### Website Developer, Online Sales Assistant

July 2017 – August 2018

#### Lexim IT

Stanton, CA

- Re-built TELETRON USA website ([teletronusa.com](http://teletronusa.com)) for company, and also collaborated with design team to build a new website used HTML/CSS, Javascript Shopify, and Magento (<https://fujimedicausa.com>) for client

## Highlighted Projects

**MACHINE LEARNING PROJECTS (2020):** Built a classifier to that can distinguish spam emails from ham (non-spam) emails by using Logistic Regression and NLP, MNISTS – classify handwritten digits (Top 5% accuracy on class Kaggle), CNN, RNN.

**ENCRYPTED DROPBOX (2020):** Designed and implemented a secure file storing and sharing system that ensures confidentiality, integrity, and authenticity of the data transacted between different users. Project written in Go.

**BACKEND PROJECT (2020):** Building entire a Backend System for hospital's patient tracking using Flask, MongoDB, Redis.

**RECIPE MENU (2020):** Applied advance JavaScript technologies (NPM, Webpack, Babel and ES6 modules, AJAX) to build a website helped users to find recipe based on their favorite food.

**NETWORKING PROJECT (2020):** Building Router and Reliable Protocol to keep track the networking traffic followed the 3 ways-handshake and minimum traffic cost. Result: 100% reliable, no duplicate ACK.

**ANDROID PROJECTS (2019):** Completed some Android projects in leisure time: Hiker's Watch, Instagram Clone, Uber and Flappy Clone by Android Studio, AWS on my GitHub.

**DATABASES (2019):** Build relational database management system for SQL, implementing B+ tree. Utilized cost estimation and Salinger-style optimization to improve query performance. Finally, implemented lock manager to control concurrency.

## Leadership & Extracurricular Activities

George Ciarlo Memorial Scholarship

Top 5 Robert B. Moore Outstanding Leader

STEM scholarship for college students