




# Kelvin Nguyen

Portfolio: cmnguyen.me

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## EDUCATION

### Texas Christian University

BS in Computer Science & Math, GPA: 3.67/4.0

Fort Worth, TX

Graduation: December 2021

## HONORS & AWARDS

- o Awarded Bronze Medal in ACM ICPC South Central USA Regional Contest (2019) - ranked 1<sup>st</sup>/19 total Undergraduate school teams, ranked 12<sup>th</sup>/61 total teams)
- o Awarded 1<sup>st</sup> price in Hackathon UTA MLH chatbot challenge (2018)
- o Ranked 27<sup>th</sup>/71 total teams in ACM ICPC South Central USA Regional Contest(2018)
- o Member of CodePath (2021), Upsilon Pi Epsilon (2019), TCU ACM Team Leader (2018+2019)

## EXPERIENCE

### Copart

Software Engineer Intern

Dallas, TX

June 2021 – December 2021

- o Be a member of the Back Office team that handles the financial aspects of Copart's business in the US and UK.
- o Collaborate with cross-functional teams to design and implement multiple plans which involved development and code fixes/reviews to match the company's business requirement and performance.
- o Language/Technology: Java, Spring (Spring Core Annotations for dependency injection and Spring MVC for Rest APIs), Jenkins, Spinnaker, Git, Jira, Confluence

### Cyber Network and Security

Research Assistant - Adviser: Dr. Liran Ma

Fort Worth, TX

June 2018 – December 2019

- o Assisted about 20 Computer Science students in labs and in-class materials, supported creating lab lectures for the class and created 2 new labs for professor to teach in class (WPS and WPA attack).
- o Platforms/Technology: Fedora, Ubuntu/Reaver, Pixiewps, Aircrack, WireShark

### FPT

Software Engineer Intern

Hanoi, Vietnam

May 2017 – August 2017

- o Developed Sound audio and Bluetooth part for a new car generation project in Czech.
- o Initiated a tool to analyze the data from company website and generate a report from those analytical data for the developer teams in Vietnam and Korea.
- o Language: Java, C, VBS, VBA

## PROJECTS

### SuperFrog Scheduler

Fullstack Developer - Link: [superfrogscheduler.herokuapp.com](https://superfrogscheduler.herokuapp.com)

Fort Worth, TX

January 2021 – May 2021

- o Created a user-friendliness and reliability Scheduler API help manage and schedule appointments/events
- o Designed FrontEnd API using Bootstrap and Thymeleaf and BackEnd API using Spring Boot, Java, and MySQL then ran it on Heroku server
- o Language/Technology used: Java, Javascript, HTML, CSS, Thymeleaf, Bootstrap, Spring Boot, H2-Console, MySQL, Heroku

### Covid Tracker

Fullstack Developer - Link: [covidtracker.games:8080](https://covidtracker.games:8080)

Fort Worth, TX

August 2020 – April 2021

- o Created a user-friendliness and reliability Covid Tracker API to provide accurate and timely information
- o Designed 3 different versions of FrontEnd API using HTML, Vue, and React to make a general FrontEnd API for public use
- o Created BackEnd API using Spring Boot, Java, and MongoDB then ran it on AWS server
- o Language/Technology used: Java, Javascript, Python, HTML, CSS, Vue, Vuetify, React, Material-UI, Spring Boot, Apache tomcat, D3, Leaflet, MongoDB, AWS

### AI for Reversi

Group Project - Link: [github.com/BiKunTin/reversi](https://github.com/BiKunTin/reversi)

Fort Worth, TX

January 2020 – May 2020

- o Created a GUI for reversi (othello) board game to play human vs human mode
- o Developed an algorithm bot using greedy, minimax alpha-beta pruning to train and tune a deep artificial neural network of self-learning bot (trained 10000 games, achieved 62% winning rate over 500 games against human players )
- o Language: Java

## SKILLS & INFO

- o Language: C#, C/C++, Python, Java, JavaScript, VBA, Pascal, HTML, CSS, SQL, Node.js, ReactJS, VueJS, Spring, Go
- o Software/APIs: .Net, OpenCV, Git/Github, Aircrack, Jenkins, Spinnaker, Jira, Confluence
- o Coursework: Data Structures, Algorithms, Databases, Wireless Networks and Security, High Performance and Parallel Computing, Artificial Intelligence, Software Engineering, Senior Design