# Quan T. Vo

A software developer enthusiast working towards the improvement of the learning experience and life quality of students at SUNY Plattsburgh through sophisticated but convenient software applications

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## EDUCATION

### SUNY PLATTSBURGH | AUGUST 2017 – MAY 2020 | BACHELOR OF SCIENCE

Major: Computer Science B.s        Minor: Mathematics, Robotics        Honor: Dean's List        GPA: 3.6

## TECHNICAL PROFICIENCIES

### TECHNOLOGIES

- Java, Javascript, React JS, Python, PHP, Kotlin, C, C++, Node, HTML5, MySQL/Postgres SQL, Dart - Flutter, CSS3, Android, Firebase, Firestore, Mongo DB, Git

### PROFESSIONAL SKILLS

- Agile methodologies, Project Management, Prototyping, Cross-browser Compatibility Communication, UI/UX Design, Time Management,  Teamwork, Leadership, Object-Oriented Programming

## RELATED EXPERIENCE

### SOFTWARE ENGINEERING INTERN | DIGITEXX

Summer 2019                                                                                                Ho Chi Minh City, Vietnam

- Designed and developed a centralized application to help manage other software of the business using JavaScript
- Applied Material UI with ReactJS and NodeJS to create user-friendly tools for the employees of the company
- Colaborated with a team of 2 engineers to develop and deploy a training web application for new employees

### ROBOTICS AUTOMATIONS DEVELOPER | PHYSICS DEPARTMENT SUNY PLATTSBURGH

Spring 2018 – Spring 2019                                                                                                Plattsburgh, NY

- Led a team of 4 people to develop an autonomous robot and a maze escape robot for the National Robotics competition
- Used Python to develop machine learning model to improve problem-solving process of the maze robot by 20%

### FULL STACK DEVELOPER | CODING HUB

January 2019 - Present                                                                                                Plattsburgh, NY

- Developed and deployed an app to the app store and play store called Shutler that tracks the shuttle in real time
- Led a team of 3 people to develop a Django website that allows students to share a ride for a cheaper price
- Integrated Google and Uber APIs into the web application to calculate the estimated cost between two locations
- Built a NodeJS Express server with MongoDB database and returned JSON for the frontend to fetch
- Focus on frontend improvements using React, HTML, and CSS

### TEACHING ASSISTANT | COMPUTER SCIENCE DEPARTMENT SUNY PLATTSBURGH

Fall 2018 – Present                                                                                                Plattsburgh, NY

- Assisted 50+ students in their comprehension of the core programming concepts using Python
- Offered walk-in and one-on-one tutoring sessions for computer science students in Python, C/C++, Java

## MAJOR PROJECTS

### TURN-BASED BATTLING GAME | PYTHON/PYGAME | HACKATHON WINNER PROJECT

- Created fighting algorithm between players and implemented pygame for creating graphics

### TUTORING HUB | NODE JS/REACT JS | CODING HUB PROJECT

- Built a web application using ReactJS and NodeJS that allows students to rate the school tutors

### MY ALARM| DART/FLUTTER | INDEPENDENT MOBILE APPLICATION

- Created a phone alarm application that requires users to solve logical problems in order to turn the alarm off
- Designed an algorithm to generate random easy/intermediate/hard math problems