

TIFFANY PHAN

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EDUCATION

Bachelor of Science in Computer Science University of Colorado at Boulder	Expected May 2021
Master of Science in Computer Science University of Colorado at Boulder	Expected May 2022
<ul style="list-style-type: none">• Computer Science GPA: 3.907; Cumulative GPA: 3.860• Honors / Awards: Dean's List, CU Boulder Esteemed Scholarship• Relevant Coursework: Data Structures, Software Development and Tools, Algorithms, Operating Systems, Programming Languages, Data Science, Intro to Robotics, Machine Learning, Big Data Architecture, Data Systems	

SKILLS

Languages: C++, C, R, Python, TypeScript, JavaScript, HTML, CSS, Bash, SQL, Scala, Java
Tools: Angular, Firebase, Git, Agile / Scrum, Visual Studio Code

SOFTWARE DEVELOPMENT

Software Engineer Intern Visa Inc. Austin, TX	May 2020 - July 2020
<ul style="list-style-type: none">• Developed frontend for website that helps empowers users to discover and donate to charities and businesses• Streamlined charity donation process by allowing users to donate directly on website using Visa Direct API• Stored charity and user information in Firebase Realtime Database• Managed team tasks using Agile / Scrum framework with daily standups and weekly sprints• Skills Applied: TypeScript, Angular, HTML, CSS, Firebase	
Big Data Analyst Intern UCLA B.I.G. Summer Los Angeles, CA	June 2019 - August 2019
<ul style="list-style-type: none">• Increased genetic discovery power by 46% compared to standard model typically used in genome-wide association studies by training complex phenotype machine learning model to better infer environmental factors• Developed pipeline using linear regression and principal component analysis in R to infer environmental components• Wrote shell scripts to interact with cluster server and parallelize data processing using job arrays• Skills Applied: Machine Learning, Data Science, Bioinformatics, R, Bash	

PROJECTS

PicSure Angular, TypeScript, Python, Redis, Kubernetes, Flask, Google Cloud Platform	February 2020 - May 2020
<ul style="list-style-type: none">• Scalable web application that checks a picture's integrity by comparing hash of photo on Redis database• Developed website using Angular framework	
MyCUEverything Python, HTML, CSS, JavaScript T9Hacks Hackathon	February 2019
<ul style="list-style-type: none">• Developed web application that displays student's school information all on one page using Beautiful Soup library• Worked on backend API using Python to scrape relevant school websites for student information	

LEADERSHIP

Graduate Student Staff University of Colorado at Boulder Boulder, CO	August 2020 - present
<ul style="list-style-type: none">• Write python scripts to auto-grade homework assignments for a total of 730 students• Conduct grading interviews for class projects• Assist students in learning concepts, coding logic, algorithms, syntax, and homework in C++ in lecture (3hrs/week) and office hours (4 hrs/week)	

AFFILIATIONS & AWARDS

T9Hacks 2020 Hackathon , <i>Best Creative Technology Winner</i>	February 7-8, 2020
T9Hacks 2019 Hackathon , <i>Best Community Hack Winner</i>	February 9-10, 2019
Lucid Coding Challenge 2019 , <i>First Place Winner</i>	February 2, 2019
Local Hack Day 2018 Hackathon , <i>Most Random Hack Winner</i>	December 1, 2018
CyberSecurity Club, Women in Computing, Computer Graphics Club	September 2018 - Present