# 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

- **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
Tools: Angular, Firebase, Git, Agile / Scrum, Visual Studio Code

## SOFTWARE DEVELOPMENT

**Software Engineer Intern** — May 2020 - July 2020
Visa Inc. | Austin, TX

- 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

**Undergraduate Software Developer** — October 2019 - February 2020
Laboratory for Atmospheric and Space Physics | Boulder, CO

- Refactored PHP backend application to an Angular library that parses and highlights files
- Skills Applied: TypeScript, Angular, HTML, CSS

**Big Data Analyst Intern** — June 2019 - August 2019
UCLA B.I.G. Summer | Los Angeles, CA

- 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

- 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

- 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

**Course Assistant: Intro to Computing** — August 2018 - December 2018
University of Colorado at Boulder | Boulder, CO

- Assisted students in learning concepts, coding logic, algorithms, syntax, and homework in C++ during 3 lab sections (3.75 hrs/week) and at personal office hours (~4 hrs/week) with a total of 700 enrolled students in this course

## AFFILIATIONS & AWARDS

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