

# TIFFANY PHAN

[tiffany.phan@colorado.edu](mailto:tiffany.phan@colorado.edu) • 520-269-2074

[tiffanyphan.dev](http://tiffanyphan.dev) • [linkedin.com/in/tiffanyvophan](https://www.linkedin.com/in/tiffanyvophan) • [github.com/TiffanyVPhan](https://github.com/TiffanyVPhan)

## EDUCATION

---

<b>Bachelor of Science in Computer Science</b>   University of Colorado at Boulder	Expected May 2021
<b>Master of Science in Computer Science</b>   University of Colorado at Boulder	Expected May 2022
<ul style="list-style-type: none"><li>• <b>Computer Science GPA: 3.907; Cumulative GPA: 3.860</b></li><li>• Honors / Awards: Dean's List, CU Boulder Esteemed Scholarship</li><li>• 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</li></ul>	

## SOFTWARE DEVELOPMENT

---

<b>Software Engineer Intern</b> Visa Inc.   Austin, TX	May 2020 - July 2020
<ul style="list-style-type: none"><li>• Developed frontend for website that helps empowers users to discover and donate to charities and businesses</li><li>• Streamlined charity donation process by allowing users to donate directly on website using Visa Direct API</li><li>• Stored charity and user information in Firebase Realtime Database</li><li>• Managed team tasks using Agile / Scrum framework with daily standups and weekly sprints</li><li>• Skills Applied: TypeScript, Angular, HTML, CSS, Firebase</li></ul>	
<b>Undergraduate Software Developer</b> Laboratory for Atmospheric and Space Physics   Boulder, CO	October 2019 - February 2020
<ul style="list-style-type: none"><li>• Refactored PHP backend application to an Angular library that parses and highlights files</li><li>• Skills Applied: TypeScript, Angular, HTML, CSS</li></ul>	
<b>Big Data Analyst Intern</b> UCLA B.I.G. Summer   Los Angeles, CA	June 2019 - August 2019
<ul style="list-style-type: none"><li>• 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</li><li>• Developed pipeline using linear regression and principal component analysis in R to infer environmental components</li><li>• Wrote shell scripts to interact with cluster server and parallelize data processing using job arrays</li><li>• Skills Applied: Machine Learning, Data Science, Bioinformatics, R, Bash</li></ul>	

## PROJECTS

---

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

## LEADERSHIP

---

<b>Course Assistant: Intro to Computing</b> University of Colorado at Boulder   Boulder, CO	August 2018 - December 2018
<ul style="list-style-type: none"><li>• 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</li></ul>	

## SKILLS

---

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

## AFFILIATIONS & AWARDS

---

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