

TIFFANY PHAN

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EDUCATION

Bachelor of Science in Computer Science | University of Colorado at Boulder Expected May 2021

- **Computer Science GPA: 3.95; Cumulative GPA: 3.83**
- Honors/Awards: Dean's List, CU Boulder Esteemed Scholarship
- Relevant Coursework: Data Structures, Computer Systems, Software Development and Tools, Algorithms, Intro to CyberSecurity, Operating Systems, Principles of Programming Languages, Data Science, Intro to Robotics

SKILLS

Languages: C++, C, R, Python, JavaScript, HTML, CSS, Scala, Bash

Other: Git, PostgreSQL, Agile / Scrum

SOFTWARE DEVELOPMENT

Big Data Analyst Intern June 2019 - August 2019

UCLA B.I.G. Summer | Los Angeles, CA

- Inferred environmental factors using complex phenotype machine learning model and simulations to increase genetic discovery power by 46% compared to standard model typically used in genome-wide association studies
- 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
- Managed team tasks using Agile / Scrum framework

PROJECTS

Pancake Post | Python, Flask, Socket.IO, HTML, CSS, JavaScript | HackCU Hackathon February 2019

- Developed browser extension that adds a forum with live chat to every website the user visits
- Worked on Flask Socket.IO communication, and Chrome and Firefox extensions

MyCUEverything | Python, HTML, CSS, JavaScript | T9Hacks Hackathon February 2019

- Developed web application that displays all of a student's school information, such as GPA, student ID, etc., all on one page using Beautiful Soup
- Worked on backend API using Python to scrape relevant school websites for student information
- Earned award for "Best Community Hack"

BitW1se | Node.js, HTML, CSS, SQL September 2018 - December 2018

- Bitwise visualizer that displays graphical representations of each bitwise operation and its effect on binary numbers
- Parsed user input and returned expected binary operation result using Node.js and stored results in SQL database

LEADERSHIP

Computer Graphics Club Vice President September 2018 - Present

University of Colorado at Boulder | Boulder, CO

- Host and listen to talks and informational lectures on modern computer graphics and computer graphics techniques

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 2019 Hackathon, Best Community Hack Winner February 10, 2019

Lucid Coding Challenge 2019, First Place Winner February 2, 2019

Local Hack Day 2018 Hackathon, Most Random Hack Winner December 1, 2018

Phi Sigma Rho Sorority, Director of New Member Education September 2018 - August 2019

CyberSecurity Club September 2018 - Present