

JIMMY (JUNTAO) ZHONG

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EDUCATION

Carleton College, Northfield, MN,

Expected Jun. 2023

- Bachelor of Arts, Major: Computer Science, GPA: 3.85
- Relevant Courses: Algorithm, Data Structure, Computer System, Software Design, Comp Biology

Newport High School, Bellevue, WA

2016 - 2019

West Seattle High School, Seattle, WA

2015

- High School GPA: 3.95/4.0

EXPERIENCE

Software Engineering Intern

Jun. 2020 – Present (summer full-time, part-time now)

Hewlett Packard Enterprise (HPE), Bloomington, MN

- Automated a test package pipeline for the [HPE supercomputer](#) operating system (OpenSUSE-based).
- Wrote 10 new tests for system validation, including tests for memory partitioning, power management, and package/dependencies management tools.

Research Assistant

[Virtual Planetary lab](#), Carleton College, MN

Nov. 2020 – Present

- Installed and ran computationally intensive bioinformatics programs on a 100-CPU server
- Write workflow scripts (Python and Shell Script) to analyze metagenomic data at the terabyte level.

Carleton Academic Technology - [DataSquad](#)

Senior Designer

Sept. 2020 – Jun. 2021

- Recorded a series of [Tableau video guides](#) for 2 Carleton Political Science classes. Created [40+ pages of manuals](#) for R and Tableau users at Carleton College.
- Create a [collection of python scripts](#) to reshape Qualtrics survey results into a cleaned, Tableau-ready format for data novices in Poli Sci classes.

Curricular and Research Data Assistant

Sept. 2019 – Jun. 2020

- Wrote Python and R scripts to facilitate 10+ professors' research
- Tutor 30+ students on Calculus, Statistics, Python, Tableau, Excel, etc.

Data Analysis and Visualization Intern

Murry's Lab (Cardiology Lab), University of Washington, WA

Jul. 2018 – Sept. 2018

- Calculated stained cells area (microscope image) by using and modifying ImageJ macros
- Built an R Shiny server that queries gene expression data from the lab database and graphs it on a web-interface

CERTIFICATION

Cisco Certified Network Associate (CCNA)

Cisco Networking Academy, Newport High School, WA

Sept. 2017 – Jul 2019

- Configure Cisco routers and switches
- Operate Linux/Windows servers in local and cloud environments. And connect servers with routers to provide network services like DHCP, VPN, Voicemail for VoIP, etc.

RELEVANT SKILLS

Programming Languages: Python | R | Shellscript | Postgresql | C | HTML/CSS | JavaScript | Java

Technologies: Tableau | MySQL | TCP/IP & OSI Model | Routing & Switching

Languages: Mandarin and Cantonese (native speaker); English; Intermediate Spanish

LEADERSHIP

- Chinese Club Board (organize Pan-Sino events: fold dumplings, freshman welcomes, senior farewells)

Carleton College, Norfield, MN