

Akira S Takada

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Education

The College of New Jersey (TCNJ)

Ewing, NJ

Bachelor of Science in Computer Science, Minor in Mathematics

May 2022

Cumulative GPA: 3.757/4.00 (Dean's List: 4 out of 4 Semesters)

Work Experience

TCNJ IT Lab Staff

Ewing, NJ

Lab Staff

August 2018 - Present

- Handle the troubleshooting of PC, Mac and printer issues, installation of PC/Mac, OS installation, and network cable wiring
- Advise students and staff with their personal or TCNJ computers

DE360 Summer Connections/DE360 Aftercare and Enrichment

Englewood, NJ

Operations

June 2017 - Present

- Perform office functions organizing finances and filing classified documents
- Utilize the camps online database and excel to build registration websites for school childcare programs annually and to build annual statistics and financial reports
- Instruct staff on utilizing newly adopted online camp database and mentor training sessions for staff

Research

Protein Variant Library Design

Ewing, NJ

January 2020 - Present

- Research and development of algorithms and computational tools utilizing synthetic biology advances to design combinatorial protein libraries that minimize the cost of synthesis while balancing library size with quality using linear programming.
- Developed online web application on college server that takes user-inputted amino acids and an organism to calculate ideal degenerate codon sequences using HTML, Javascript, PHP, and MySQL.

Leadership & Campus Involvement

TCNJ Japanese Student Association

Ewing, NJ

Treasurer

April 2020 - Present

- Manage and log expenses and revenues for the club finances

Events Coordinator

April 2019 - April 2020

- Coordinated and assigned club events weekly to teach both executive board and general board about Japanese culture

Freshman Representative

October 2018 - April 2019

- Cooperated and acted as a liaison between general board members and executive board members
- Operated and organized club participation in multiple events such as Night Market Festival

Skills

Programming Language: (Proficient): C, C++, Java (Intermediate): Python, Ruby, HTML/CSS, PHP

Operating System: Knowledge and Experience with Windows and Linux (Ubuntu), Bash Scripting and Experience with Command Line Operations

Concepts: Strong Understanding and Experience in Implementing Data Structures, Multithreading, and Computer Architecture

Technical Skill: Vim, LaTeX, MATLAB, IntelliJ Environment, Git, GitHub, MySQL, PostgreSQL

General Skill: Excel scripting, Word, Spreadsheets

Languages: English(Native), Japanese(Fluent)