

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:** 5 out of 5 Semesters)

Skills

Programming Language: C, C++, Java, Python, Ruby, PHP

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

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

General Skill: Excel scripting, Word, Spreadsheets

Languages: English(Native), Japanese(Fluent)

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 as well as annual statistic and financial reports
- Instruct and lead staff on utilizing newly adopted online camp database and mentor training sessions for staff

Projects and Research

Protein Variant Library Design

Ewing, NJ

- 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 in Java and C
- 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

Bill Database

Ewing, NJ

- Developed a website application in a team of 6 that allow a quick search for congressional bills based upon location and keywords using Ruby, Ruby on Rails, and PostgreSQL

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