

# Akira S Takada

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## Education

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### The College of New Jersey (TCNJ)

Ewing, NJ

*Bachelor of Science in Computer Science, Minor in Mathematics*

*May 2022*

**Cumulative GPA:** 3.68/4.00 (**Dean's List:** 4 out of 4 Semesters)

### Tenaflly High School

Tenaflly, NJ

**Cumulative GPA:** 4.39/5.00 (**Highest Honors Class of 2018**)

*September 2014 - June 2018*

## Work Experience

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### 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

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### 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.

## Leadership & Campus Involvement

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### 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 liason between general board members and executive board members
- Operated and organized club participation in multiple events such as Night Market Festival

## Skills

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**Programming Language:** C, C++, Java (Proficient), Python(Intermediate)

**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 Enviroment, Git, GitHub

**General Skill:** Excel scripting, Word, Spreadsheets

**Languages:** English(Native), Japanese(Fluent)