

# 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:** 3.757/4.00 (**Dean's List:** 5 out of 5 Semesters)

## Skills

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**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

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

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

## 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 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

## Technical Projects

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### 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

### Point Locator

Developed a server plugin for a sandbox video game that converts pinpoints from Google Earth to near perfect coordinates in-game using Java.

## Leadership & Campus Involvement

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### TCNJ Japanese Student Association

Ewing, NJ

*Treasurer, Events Coordinator*

*April 2019 - Present*

Manage and log expenses and revenues for the club finances; Coordinated and assigned club events weekly to teach both executive board and general board about Japanese culture