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   *December 2021*
Cumulative GPA: 3.763/4.00 (**Dean's List:** 7 out of 7 Semesters)

Skills

Programming Language: C++, Python, C, Java, Ruby, PHP, Javascript
Technical Skill: Vim, NeoVim, LaTeX, MATLAB, Sage Math, IntelliJ Environment, Git, GitHub, MySQL, PostgreSQL, HTML/CSS, WebGL
Operating System: Knowledge and Experience with Windows and Linux (Arch Linux, Ubuntu), Bash Scripting and Experience with Command Line Operations
General Skill: Excel scripting, Word, Spreadsheets
Languages: English(Native), Japanese(Fluent)

Work Experience

Otsuka Pharmaceutical Companies U.S   **Princeton, NJ**
Global Clinical Intelligence Intern   *June 2021 - December 2021*

   Collaborate to implement and debug a web application that automates document generation, decreasing time from topline results to submission, utilizing javascript, node.js, and cloud services

   Lead, present, and collaborate with Otsuka Pharmaceutical Companies Japan on implementing an immersive virtual reality experience for onboarding and meetings in Japanese

   Design a data analysis script that forms linguistically correct summaries in both English and Japanese to distribute to both American and Japanese branches, utilizing python and natural language processing

TCNJ IT Lab Staff   **Ewing, NJ**
Lab Staff   *August 2018 - December 2021*

   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, HR Coordinator   *July 2016 - August 2021*

   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

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.