

# Takekuni Tanemori

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## EDUCATION

### Stevens Institute of Technology

Expected May 2026

*Bachelor of Science in Computer Science, GPA: 3.83*

*Hoboken, NJ*

- **Awards:** National Cyber Scholar 2021, Dean's List, Spring 2023 Chevron Scholarship, 2024 SASE Scholarship
- **Coursework:** Web Programming, Data Structures, Algorithms, Systems Programming, Principles of Programming, Software Development Process, Computer Architecture, Discrete Structures, Linear Algebra, Intermediate Statistics

## EXPERIENCE

### Software Engineer Intern

May 2024 – Present

*Laboratory for Intelligent Integrated Networks of Engineering Systems*

*Hoboken, NJ*

- Coded a **Python** web scraper with **EIA API**, extracting **20,000+** data sets, improving data collection by **60%**
- Improved **liines.net** SEO by implementing **50+** LinkedIn profiles to LIINES affiliate page, increasing visits by **33%**
- Recorded data and maintained source documentation following good documentation practices

### Software Programmer - AI Training

May 2024 – Present

*Outlier*

*remote*

- Enhanced AI coding abilities by evaluating **50+** coding problems and test cases, increasing overall efficiency by **20%**
- Improved LLM performance by reducing code errors through AI training projects, increasing accuracy by **15%**

### Undergraduate Research Assistant

May 2023 – Sep 2023

*Stevens Institute of Technology*

*Hoboken, NJ*

- Produced an automation system using **Python** to compile graphs into PDFs, generating catalog in **85%** less time
- Automated graph generation using **Python** and **matplotlib**, resulting in a **98%** decrease in production time

## PROJECTS

### StampNotes | *JavaScript, CSS, HTML, Chrome API*

Mar 2024 – Jun 2024

- Designed and published a Google Chrome Extension that enhances YouTube functionality by allowing users to create, edit, and delete, annotated notes on video timestamps, improving the learning experience for **20+** users
- Facilitated user navigation by web scraping YouTube videos, resulting in a **90%** reduction in navigation time.
- Implemented cloud storage for notes by leveraging **Chrome API**, enabling users to save up to **100KB** of data

### Digi-Drobe | *Express, Node.js, AJAX, JQuery, MongoDB, AWS, Handlebars, JavaScript*

Dec 2023 – May 2024

- Engineered a full stack social media web application facilitating outfit uploads and mix-and-match capabilities, streamlining outfit sharing and creation processes for users
- Programmed the backend storage utilizing **MongoDB**, managing a database with over **1000+** entries
- Implemented **JQuery** and **AJAX** for dynamic frontend rendering, optimizing UI/UX by **40%**

### JURASSIC CPU | *Python, ARM Assembly, Logisim*

Nov 2023 – Dec 2023

- Developed an assembler utilizing **Python** to encode **60+** custom **Assembly** procedures to hexadecimal image files
- Constructed a CPU using **Logisim** capable of decoding **3000+** binary instructions and arithmetic computations

### Feel and Hear | *Python, React, Tailwind, JavaScript, Flask, OpenCV, Spotify API*

Oct 2023 – Nov 2023

- Collaborated in building a website that generated a Spotify playlist based on facial expression recognition
- Created a playlist generator utilizing **Python** and **Spotify API**, recommending songs at a **90%** accuracy

## SKILLS

**Languages:** TypeScript, JavaScript, HTML/CSS, SQL, Python, Java, C#, C++, C, OCaml, Bash, ARM Assembly

**Frameworks:** Next.js, React, Node.js, Express.js, Flask, Tailwind, AJAX

**Tools:** MongoDB, Amazon Web Services, JQuery, Handlebars, Git, Jupyter, Latex, numpy, matplotlib, pandas, Linux

**Concepts:** Full Stack, Software Development, Machine Learning, Debugging, Unit Testing, Performance Software

## LEADERSHIP

### President | *Japanese Student Association at Stevens Institute of Technology*

Apr 2024 – Present

- Organized executive meetings, managed operations, and coordinated events, increasing average attendance to **100+**
- Managed over **\$4,000** in funding, overseeing budget allocation and planning, enhancing financial efficiency

### Senator | *Student Government Association at Stevens Institute of Technology*

Oct 2022 – Present

- Ensured that student organizations received justified funding by voting on **500+** additional funding requests