

# Dylan Ton-That

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## EDUCATION

**New Jersey Institute of Technology | Albert Dorman Honors College** September 2022 – December 2025  
*B.S. Computer Science | Dean's List* GPA: 3.86/4.00

- Recipient of a full ride merit scholarship alongside a commitment of 30 volunteer hours a semester.
- **Relevant, Current Coursework:** Discrete Math, Programming Language Concepts, Database Systems and Management, Data Structures and Algorithms, Computers, Society, and Ethics, Probability and Statistics.

## SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, C++, SQL, LaTeX

**Web Development:** Next.js, React.js, Tailwind CSS, HTML, CSS, Bootstrap

**Software:** Oracle, MySQL, MongoDB, Prisma, Git, Google Colaboratory

## EXPERIENCE

**Prudential Financial | Incoming Software Engineer Intern** June 2024 – August 2024  
*Global Technology* Newark, NJ

**Johnson & Johnson | Technology Co-op** January 2024 – Present  
*MedTech R&D* Raritan, NJ

**Honors Summer Research Institute | Machine Learning Research Fellow** June 2023 – August 2023  
*Albert Dorman Honors College* Newark, NJ

- Engineered an iterative machine learning algorithm to predict temperature profiles of particles in metal additive manufacturing processes at a **97%** accuracy.
- Leveraged Python's **Numpy**, **Pandas**, and **SciKit-Learn** libraries to efficiently process and analyze **~ 9 million** data points.
- Automated the machine learning lifecycle using **PyCaret** to streamline feature selection, resulting in a **20%** faster deployment.
- Transitioned to **Google Colaboratory** from **Anaconda** for a **200%** GPU acceleration, significantly expediting testing processes.

## EXTRACURRICULARS

**Vietnamese Student Association | Public Outreach Officer** January 2024 – Present

- Spearheaded cultural networking events of **40+** attendees centered around Vietnamese students, alumni, and professionals.
- Collaborated with **20+** executives within on-campus cultural and professional organizations to plan and promote events.

**Association for Computing Machinery | Computer Science Tutor** September 2023 – Present

- Proctored weekly sessions and appointments, aiding **150+** undergraduate students programming with **Python**, **Java**, and **C++**.
- Utilized Socratic questioning and guided visualization to convey topics, improving students' homework scores by **~10%**.

## PROJECTS

**Weatherify | Next.js, Tailwind CSS, NextAuth.js, OpenWeatherMap API, Spotify Web API, TypeScript**

- Formulated an application to provide clients personalized music recommendations based on real time weather conditions.
- Fetched personalized playlist suggestions using the Spotify Web API by incorporating asynchronous GET and POST methods.

**Bank Mockup | MySQL, Prisma, Next.js, Tailwind CSS, JavaScript**

- Orchestrated the relational database design and full stack development of a comprehensive online banking institution.
- Deployed Prisma and MySQL to store banking details, seamlessly integrating with a Next.js interface with CRUD operations.

**Online Piano | <https://pianoscape.pages.dev> | JavaScript, HTML, CSS, Bootstrap**

- Developed a web-based piano software hosted on Cloudflare granting users to play piano with key label visibility toggling.
- Programmed JavaScript event listeners and query selectors for highlighting and playing piano keys when interacted with.

**NBA Player Statistics Engine | Python, CustomTkinter, BeautifulSoup**

- Deployed the BeautifulSoup package to web scrape NBA players' career per-game statistics from Basketball Reference.
- Utilized PIL, Validators, and Requests Python libraries to verify, save, and extract data from players' corresponding web links.