

# 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 Coursework** | Compiler Design, Data Structures & Algorithms, Programming in Linux, Discrete Math, Database Systems & Management, Management Information Systems, Computers, Society, and Ethics.

## SKILLS

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

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

**Software** | MySQL, MongoDB, Oracle SQL, Prisma, Git, Bash, 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.
- Migrated to **Google Colaboratory** from **Anaconda** for a **200%** GPU acceleration, significantly expediting workflow processes.

## EXTRACURRICULARS

**Association for Computing Machinery (ACM) | 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%**.

**Vietnamese Student Association (VSA) | Public Outreach Officer** September 2023 – 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.

## 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 management and full stack development of a comprehensive online banking institution.
- Deployed Prisma and MySQL to store banking details, seamlessly integrating with a Next.js server-side rendered interface.

**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.