

Justin Nguyen

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EDUCATION

New Jersey Institute of Technology, Albert Dorman Honors College
B.S. Computer Science

Expected Graduation: December 2024

- Minors: Applied Mathematics
- Albert Dorman Honors Scholar – full tuition and board merit scholarship
- GPA: 3.60/4.0

TECHNICAL SKILLS

- **Programming languages:** Python, Java, SQL, Perl, Bash, JavaScript, PHP
- **Web-Development Technologies:** HTML, CSS, JavaScript, jQuery, AJAX, PHP, React.js
- **Frameworks, Libraries, and Platforms:** Bootstrap, PHPMyAdmin/MySQL, BeautifulSoup, Selenium, Pandas, Requests, REST API's, VSCode, Anaconda, Jira, Confluence

INDUSTRY EXPERIENCE

Software Quality Engineering Intern

June 2023 – Present

TD Bank

- Developed and executed 40+ SQL queries using Oracle SQL Server to validate source and target tables, ensuring data accuracy and integrity.
- Collaborated closely with developers to review code and identify potential issues, ensuring code robustness and adherence to quality standards.
- Worked closely with cross-functional teams to contribute to the agile development process by participating in sprint planning and daily stand-up meetings.
- Utilized Jira to manage test cases, plans, and executions, facilitating a seamless software development lifecycle.

IT Collaboration Development Intern

March 2023 – June 2023

Colgate-Palmolive

- Assisted company intranet migration by leveraging the RESTful LumApps API and Python scripting to extract content from 1,000+ websites using HTTP requests.
- Handled JWT API key validation and user authentication and authorization with each of the 1,000+ API calls.
- Streamlined process of content parsing, extraction, and conversion from JSON to text format for easier readability.
- Developed and maintained a Python script to convert 13,000+ employee profile pictures into Base64 encoding, allowing for easy storage and integration into the company website.

Customer Engineering Intern

May 2022 – August 2022

Ricoh USA

- Resolved technical hardware and software issues to over 20 North Star charter schools.
- Installed and replaced 100+ units in over 20 schools to optimize network speeds.
- Maintained each device's performance by monitoring alerts using Excel spreadsheets.
- Utilized Windows PowerShell to securely perform operations remotely on other machines.

LEADERSHIP & ACTIVITIES

Presenter

October 2021 – February 2022

New Jersey Institute of Technology, Newark College of Engineering Design Showcase

- Selected among 20 students to present my research on capturing and recycling CO₂ emissions.
- Discovered new zeolite material to increase CO₂ adsorption rate by over 50% for improving air quality.
- Awarded second place out of fifteen presenters by a panel of 5 industry leading experts.