

# Danny Ho

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## EDUCATION

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**Clemson University**  
**B.S. in Computer Science**  
Presidential's List Recipient

**Clemson, SC**  
**May 2026**  
**GPA: 3.94/4.0**

## TECHNICAL SKILLS

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**Programming Languages:** Java, C, C++, Python, SQL, DAX, HTML, CSS, JavaScript, TypeScript  
**Developer Tools:** GitHub, Trello, Linux/Unix, PyCharm, IntelliJ, SSMS, Vite, Postman, Jupyter  
**Libraries/Frameworks:** NumPy, Pandas, React, Bootstrap, Tailwind, OpenCV  
**Softwares:** Power BI, Microsoft Office, Adobe Acrobat, JMP, AWS, MySQL, Oracle, Tabular Editor

## RELEVANT EXPERIENCE

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**Digital Technology - Computer Vision Intern | GE Vernova | Greenville, SC** **May 2025 - Current**

- Optimize computer vision pipeline to recognize Serial Numbers with 100% detection rate.
- Inspired over 30+ technology interns to start AI initiatives to automate and enhance processes.
- Researched and analyzed synthetic image generation to create over 50 images to improve model performance.

**Business Intelligence Intern | AFL Telecommunications | Duncan, SC** **Jan 2024 - May 2025**

- Consolidated 5-10 data lakes into a centralized data warehouse using SQL Server Management Studio.
- Created 10+ dynamic dashboards in Power BI to identify trends, boosting data entry efficiency by 30%.
- Discovered over 30-50 discrepancies in incident databases and proposed multiple solutions to prevent causes.
- Launched a major project to design a new database schema to introduce new analysis capabilities.

**Sales Representative | Clemson University | Clemson, SC** **September 2022 - May 2023**

- Engaged with 100+ alumni to promote university giving, strengthening alumni relations.
- Acquired over 40+ donations individually and raised over \$5,000 with colleagues for each semester.
- Influenced and raised Clemson Alumni donation participation to 23% fiscal year 2022.

## PROJECTS

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**License Plate Detector | Personal Project** **Map 2025**

- Developed and implemented a YOLOv11 computer vision model for license plate object detection with 96% accuracy.
- Trained model with over 5000+ images and create test scripts using OpenCV and Python for real-time inference.
- Integrated an Optical Character Recognition module to extract license plate characters from detected regions..

**TigerChow API | CPSC 3720 Software Engineering** **April 2025**

- Designed and Deployed RESTful APIs for Account, Notification, and Order services using AWS and Postman.
- Applied modern software design principles, including the Decorator pattern, to amplify code reusability.
- Led a 4-person Agile team as Scrum Master, facilitating meetings and enforcing Agile and Scrum values.

**Personal Portfolio | Personal Project** **December 2024**

- Built a responsive personal portfolio using JavaScript, React, and Tailwind CSS to showcase projects and skills.
- Implemented modern UI/UX principles to create an interactive and user-friendly experience across devices.
- Architected the portfolio by modularizing the design into reusable React components, enhancing maintainability.