

NICOLAS DUNLAP

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EDUCATION

- **The Ohio State University** Columbus, OH
Bachelor of Science in Computer Science and Engineering
◦ Relevant Coursework (current): CSE 1223 - Programming Java Aug. 2025 – May 2029 (Expected)
- **Sinclair Community College** Dayton, OH
Relevant Coursework: Intro to Problem Solving & Computer Programming (C++) Fall 2025
- **Oakwood High School** Oakwood, OH
GPA: 3.9/4.0; ACT: 31; Honors Diploma Aug. 2021 – May 2025

PROJECTS

- **gOSU: Smart Transit Assistant**
React Native, JavaScript, JSON, Asynchronous Programming, Git
◦ Developed a cross-platform mobile app for both iOS and Android using React Native that computes the fastest route to any OSU destination using live bus data.
◦ Designed a custom routing algorithm calculating walk, wait, ride, and post-stop times from real-time ETAs.
◦ Processed GeoJSON API data into point coordinates for accurate mapping and dynamic optimization.
◦ Project secured 3rd place (out of 30+ teams) at Hack OHIO 2025.
- **Tennis Match Prediction AI**
Python, Pandas, Scikit-learn, Streamlit, Tkinter, Joblib
◦ Developed an end-to-end machine learning pipeline to predict ATP match outcomes from historical data.
◦ Built both a web app and desktop GUI for interactive prediction visualization.
- **OSU Study Spot Finder**
JavaScript, Tailwind CSS, Google Firestore, Netlify, Google Analytics
◦ Created a web app to help students locate available study spaces using live, crowdsourced data.
◦ Implemented logic to aggregate recent occupancy reports and determine real-time availability.
- **Portfolio Website**
HTML, CSS, GitHub Pages
◦ Designed and deployed a responsive website showcasing personal projects and technical work.

EXPERIENCE

- **Self-Employed** Oakwood, OH
Landscape Business Owner 2021 – Present
◦ Founded and managed a lawn care business serving 10+ weekly clients through marketing and referrals.
◦ Handled scheduling, invoicing, and client communications independently.
- **Apex Digital Partners** Oakwood, OH
Founder & Web Developer 2025 – Present
◦ Founded a digital agency focused on website design and development for small businesses.
◦ Built sample websites and templates to demonstrate service capabilities.
◦ Developed workflows, branding, and marketing materials in preparation for client acquisition.
- **Gardner Memorial Swimming Pool** Oakwood, OH
Front Desk Staff and Concessions May 2023 – Aug. 2024
◦ Provided guest services, processed memberships, and managed cash transactions.
◦ Recognized for maintaining the cleanest workspace during a city inspection.
- **Oakwood Register** Oakwood, OH
Newspaper Carrier Jan. 2017 – Jan 2022
◦ Delivered newspapers weekly with consistent timeliness and reliability.

TECHNICAL SKILLS

- **Languages:** Java, Python, C++, JavaScript (ES6+), HTML, CSS, Bash/Command-Line Tools
- **Frameworks & Tools:** React Native, Git, GitHub, VS Code, jGRASP, GitHub Pages, Netlify, Firestore, Google Analytics
- **Core Skills:** API Integration, Asynchronous Programming, Cross-Platform Development (iOS/Android), Geospatial Data Processing, Algorithm Design, Data Visualization
- **AI & Data Science:** NLP, Text Summarization, LLMs, Generative AI, IBM Granite, Data Processing, Model Deployment