

Dan Neag

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Education

The University of Akron, Akron, OH | 2018 – 2024
Bachelor of Science in Computer Science | 3.86 GPA

Full Sail University, Winter Park, FL | 2010 – 2012
Bachelor of Science in Game Art | 3.85 GPA

Technical Skills

Languages	C++, Python, JavaScript, CSS, HTML, SQL, TypeScript, Java, C#, MATLAB
Frameworks/Tools	Vue, JSP, Git, Docker, Maven
Platforms	Linux, Jenkins, Gitlab, Jira
Software	Autodesk Maya, Unreal Engine, Unity

Internships

Peak Nano, Macedonia, OH | Jan 2025 – Aug 2025, Full-time

Software Engineer Intern

- Developed a MATLAB program which utilized its parallel processing and database connectivity features to automate generation and storage of randomized heterogeneous datasets
- Contributed to a microservice-based application simulating optical lens manufacturing, which was successfully delivered to a small military client team
 - Built the frontend independently using Vue.js
 - Implemented several API routes with FastAPI and extended database schema with SQLAlchemy

Snap-on Business Solutions, Richfield, OH | Aug 2023 – Aug 2024, Full-time

Software Engineer Intern

- Created a set of Bash scripts to automate creation and configuration of Tomcat and Apache httpd servers, significantly accelerating the deployment process for the team
- Maintained and furthered the development of various applications, web services, sites, and APIs using technologies such as Java, JavaScript, Maven, Tomcat, and Jenkins
- Collaborated with team members in an Agile environment utilizing Jira and the Scrum framework.
- Refactored a web site to enhance security by externalizing inline JavaScript and event handlers, ensuring compliance with a newly required Content-Security-Policy header

Personal and Class Projects

Tree Generation Program | [More info here](#)

- An ongoing procedural 3D modeling project. The goal is to mass generate detailed trees by simulating natural growth processes and environmental factors
- This is a plugin for Autodesk Maya, utilizing its C++ and Python APIs for 3D model generation and GUI creation

DDK Review | [More info here](#)

- A semester-long Database Management class project
- Video game search and review aggregator website with a novel feature of rating games' tags rather than the games themselves, giving a more nuanced view of their quality
- Stack: Vue3, Tailwind CSS, PostgreSQL, Supabase