

Tanner Finlay

Physics & Computer Science Undergrad

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EDUCATION

- **Auburn University** Auburn, AL
Bachelor of Science in Physics and Computer Science; GPA: 3.2/4.0 *Aug. 2019 – Dec. 2023*
 - **Relevant Coursework:** Software Construction, Modeling, and Quality Assurance, OS Design, Algorithms, Data Structures, Object-Oriented Design, Database Management Systems, Computer Networking, Astrophysics, Astronomy, Quantum Mechanics, Thermodynamics, UI Design, Senior Design, Statics and Dynamics, Computer Aided Engineering, Kinematics, Astrobiology, Electricity and Magnetism

EXPERIENCE

- **J.B. Hunt** Lowell, AK/Remote
Web App Development Intern *May 2023 - Present*
 - **Angular Form Building:** Created web forms using Angular which allow customers to request two new types of shipments online.
 - **Web/Mobile App Harmonization:** Worked with Angular and React Native to fix bugs and ensure proper harmonization among features across web and mobile application platforms.
 - **Vulnerability Management:** Identified and remediated CVEs related to application dependencies.
 - As team lead, collaborated in an agile manner with kanban workload management to handle user stories efficiently. Pro-actively participated in daily standups and conducted reports on the project's progress.
- **Auburn University** Auburn, AL
Undergraduate Research Assistant *Jan 2022 - Jan 2023*
 - **Comet Charge Exchange Model:** Contributed to and wrote scripts in Python for modeling x-ray spectra of highly charged ions, calculating cascades, and applying angular momentum distributions to n-resolved cross sections.
 - **Exoplanet Discovery:** Developed a script in Python with the Lightcurve package to download and analyze TESS data of available stellar light curves resulting in several exoplanet indicators.
- **SwiftSku** Auburn, AL
Provisioning Technician *June 2022 - Oct 2022*
 - Installed, diagnosed, repaired, maintained, and upgraded hardware and equipment while ensuring optimal workstation performance.
 - Maintained accurate and timely progress of provisioning for work order database.
- **Lapidary Capital Group** Birmingham, AL
Assistant Hiring Manager *June 2021 - July 2023*
 - **Automated Data Entry:** Developed a script with Python + Selenium package to automate web-based data entry and reduce labor time by 85 percent. Conducted interviews, made decisions, and communicated with all store managers. Doubling hiring efficiency for all store locations.

PROGRAMMING SKILLS

- **Languages:** Javascript, Python, Java, C++, Matlab, SQL, HTML, CSS
- **Other Skills:** Angular Framework, Azure DevOps, Git, Node.JS, Computer Networking, Docker, Springboot, Postman, CAD Software with FEA, Microsoft Office, Ubuntu, Oral and Written Communication, Teamwork, Collaboration, Problem Solving

ADDITIONAL

- **Awards:**
 - 2021-2022 Dean's List, Society of Distinction, National Society of Collegiate Scholars Candidate, AP Scholar with Honors, Eagle Scout Order of the Arrow
- **Extracurriculars:**
 - Eagle Scout, Auburn University Dance Marathon Staff, Auburn Astronomical Society, Sigma Pi Sigma Physics Honor Society, Auburn Society of Physics Students, Auburn Hackathon Participant