Jared Chiaramonte

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EDUCATION

Arizona State University — Tempe, AZ
Bachelor of Science in Computer Science, Minor in Business — *Expected May 2026*
GPA: 4.0

EXPERIENCE

Technology Intern — Jun. 2025 – Aug. 2025
Northern Trust Corporation — *Chicago, IL*
- Enhanced code coverage with unit testing for C++ global transactions libraries, improving code quality, and reducing time it takes to onboard new team members.
- Resolved health-check ping errors on a live hedge fund servicing transaction server hosted on a Red Hat Linux environment.
- Contributed features to hedge fund servicing trades and admin console micro-front-ends as part of a larger React web application.

Research Assistant — May 2024 – Aug 2024
TU Dortmund — *Dortmund, Germany*
- Performed a literacy study to gather requirements from previous academic studies and neatly construct a design for the interface in Mira.
- Developed a research-centric Java interface to perform static analysis research on Maven artifacts.
- Configured Github actions and Junit to ensure code validation, with automated testing.
- Validated nonfunctional requirements of the interface by running different analyses on 150,000 maven artifacts, by containerizing and deploying the interface to a server.
- Leveraged LaTex to write and format the evaluation section of an published paper accepted into the 2025 Mining software repositories conference in Ottawa Canada.

Undergraduate Teaching Assistant: Principles of Programming — January 2024 – Present
Arizona State University — *Tempe, AZ*
- Moderated and guided small groups of students through how to solve various C/C++ programming labs.
- Provided 1-on-1 help to students online by giving hints and clarifying any topics that may be blocking them.

PROJECTS

Recipe Estimator | *React, Node* — April 2025 – May 2025
- Developed a Google Chrome extension in React bundled with Webpack.
- Extracted ingredients from recipe websites using various webscraping methods to handle various web applications.
- Leveraged SERP api to retrieve Google shopping results for ingredients and created an algorithm to remove outlier results based on price.

Sustainability Measurer | *.NET, C#* — April 2025 – May 2025
- Developed C# microservices to collect different weather/geographic metrics to aide in location discovery for new sustainable energy source development.
- Designed and implemented a .NET web application that allows users to easily make queries and view these metrics.

CSE 360 Student Help Application | *Java, Maven, Git* — September 2024 – November 2024
- Configured version control using github and created a project backlog to define and assign tasks to different group members.
- Developed a GUI application with different user roles for managing student resources and communications for help with the CSE 360 course.
- Created an SQL database that contained multiple tables to store user and help document information.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, TypeScript, HTML/CSS, C#
Frameworks: React, Node.js, P5.js, Flask, JUnit, Catch, .NET
Tools: Git, Docker, Red Hat Linux, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Maven, Wireshark, IDA
Libraries: NumPy, pwntools