

Adrian Binkley

adrianbinkley.com

Education History

- **University of Pennsylvania** (Philadelphia, PA) — *Master's of Computer & Information Technology, MCIT* | May 2022, 3.86 Cumulative GPA

Relevant coursework in data analytics, databases, artificial intelligence, data structures, algorithms, advanced mathematics, and computer systems

- **Curtis Institute of Music** (Philadelphia, PA) — *Bachelor's of Music in Pipe Organ Performance, Certificate in Harpsichord* | May 2020, 3.96 Cumulative GPA
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Professional Experience

- **The Vanguard Group** (Malvern, PA) — *Software Engineer* | May 2022 - Present
Modernizing data integrations in AWS, managing team automation projects and CI/CD systems migrations, and creating and updating ERP reports through Oracle Cloud IaaS
 - **eBay Inc.** (Portland, OR) — *Software Engineer Intern* | May 2021 - Aug. 2021
Researched, developed, and integrated a full-stack live streaming service POC application for the eBay Storefront using Node.js, RESTful APIs, and a custom Java/Spring Boot backend
 - **The Univ. of Pennsylvania** (Philadelphia, PA) — *Teaching Asst.* | Sept. 2020 - May 2022
Co-led weekly discussion groups, hosted weekly office hours, and guided subject agendas for graduate-level courses on data structures, algorithms, and systems programming
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Projects & Collaborative Work

- **Cypress Quarterly Regression Test Automation**
Containerized and parallelized a set of Cypress/TypeScript regression tests on Atlassian Bamboo to reduce quarterly manual work by over 80% while minimizing risk of errors
 - **Spotify Analytics & Predictions** ([GitHub](#))
Standardized and explored robust music track data, training multiple machine learning models and comparing regularization techniques to predict track popularity from other attributes
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Programming Languages

JavaScript/TypeScript, Node.js, React.js, Python, Java, SQL, C/C++, Assembly

Tools & Frameworks

AWS, Git, Jest, JUnit, Atlassian Suite, Cypress, Selenium, Maven, Oracle IaaS

Skills

CI/CD, Cloud Infrastructure, IaC, Unit Testing, Agile, Data Structures & Algorithms

Certifications

AWS Cloud Practitioner ([badge](#))
Vanguard Application Security Champion I
Vanguard Application Security Champion II