

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, data structures, algorithms, artificial intelligence, multivariable calculus, linear algebra, 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

- **Vanguard** (Malvern, PA) — *Software Engineer* | May 2022 - Present

Modernizing legacy data integrations and Node.js Lambda scripts in AWS, managing team automation projects and CI/CD systems migrations

- **eBay** (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

- **University of Pennsylvania** (Philadelphia, PA) — *Teaching Asst.* | Sept. 2020 - May 2022
Co-led weekly discussion groups, hosted weekly office hours, and guided course agenda for CIT 591 "Introduction to Software Development", CIT 593 "Introduction to Computer Systems", and CIT 594 "Data Structures & Software Design"
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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

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