

# QUINN COLEMAN

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I am a detail-oriented software engineer with a passion for learning. I am looking to join an innovative company and use my broad knowledge and experience in software development, especially in Python, to create impactful solutions.

## SKILLS SUMMARY

- Proficient in Python
- Familiar with quality assurance practice, automated testing and defect triage

## EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)

**Master of Science Degree in Computer Science**, GPA: 3.8/4.0

Mar. 2021

**Bachelor of Science Degree in Computer Science**, GPA: 3.5/4.0

Mar. 2020

- Master's Thesis: "Machine Learning Approaches to Historic Music Restoration"

## RELEVANT COURSEWORK

Software Engineering, Design & Analysis of Algorithms, Data Structures, Distributed Systems, Project-Based Object-Oriented Programming and Design, Artificial Intelligence, Mobile Application Development, Interactive Entertainment Engineering, Introduction to Database Systems, Introduction to Data Science, Knowledge Discovery from Data, Public Speaking

## WORK EXPERIENCE

**MTS Software Engineer 2**, NetApp — Boulder, CO

Nov. 2021 - Jan. 2023

- Designed, developed and maintained test automation scripts and framework in Python; unit-tested with mock utilities
- Utilized Kubernetes and Docker to automate installation and removal of products and environments for testing
- Prototyped Jenkins job using Python, BeautifulSoup, Perforce, and the Jira API to automate Jira ticket state transitions
- Improved process efficiency by writing a defect filing template in Confluence, benefitting 300+ coworkers

**Software Quality Assurance Intern**, Josh.ai — Denver, CO

Summer 2019

- Conducted comprehensive manual testing of the product, meticulously documenting and reporting bugs in Jira
- Collaborated with the product manager to define acceptance criteria and correct scope to enhance the master test plan
- Built a web dashboard in JavaScript for all employees; queried from a PostgreSQL DB and gathered requirements
- Supported business development by web scraping over 3,000 potential clients' contacts with Python and shell scripts

**Mobile Developer Intern**, Stryd — Boulder, CO

Summer 2017

- Contributed to iOS development, involving user interface design and populating dynamic tables with Swift in Xcode
- Debugged by investigating iOS crash logs and user reports

## PROGRAMMING PROJECTS

**Personal Website**, Personal Project

Jan. 2024 - present

- Developing responsive and accessible website in HTML and CSS, integrated with a Jenkins build pipeline

**Azure Platform Provisioner for Cloud Development**, Personal Project

Dec. 2023

- Utilized Terraform to provision a virtual machine configured with Docker in a Microsoft Azure platform tenant
- Virtualized a development environment by providing access to the virtual machine terminal from Visual Studio

## LEADERSHIP & CAMPUS INVOLVEMENT

**Teaching Assistant**, Cal Poly, Probability and Random Processes for Engineers

Mar. - Jun. 2021

- Conducted oral exams and graded assignments, continuously applying statistical knowledge

## KNOWLEDGE AREAS

Python, UNIX shell, JavaScript, Typescript, HTML, CSS, Three.js, Swift, Kotlin, iOS, Android, Java, C, C++, Go, Rust, Vim, Xcode, Visual Studio, Pytest, Selenium, Git, Perforce, GitHub, Linux, Agile, Jira, Confluence, Jenkins, Docker, Kubernetes, Azure, Terraform, SQL, MongoDB, REST API, Pandas, NumPy, Tensorflow, Excel, JSON, QA, Test Automation, Front-End Development