

Chris Holland

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EDUCATION

Pacific Lutheran University

Bachelor of Science in Computer Science

- Cumulative GPA: 3.93 / 4.0; Dean's list all semesters

Tacoma, WA

Sep. 2019 – Dec 2023

University of Oxford

Visiting Computer Science Student at St. Anne's College

Oxford, UK

Feb. 2022 – June 2022

TECHNICAL SKILLS

Languages: Java, Python, Typescript, Node.js, MongoDB, Bash, HTML/CSS

Frameworks: React, FastAPI, Spring Boot

Developer Tools: Docker, Rancher, Kubernetes, Git, Jenkins, Nexus, Helm

EXPERIENCE

Software Engineer Intern

June 2023 – Sep 2023

Maxar Technologies

Melbourne, FL

- Managed and maintained the deployment and infrastructure of a Vue.js-based satellite targeting web application, ensuring its continuous availability and optimal performance
- Devised a Jenkin's job to optimize staging and packaging of Docker images by implementing NFS mounts instead of cloning, resulting in a 30% reduction in build times
- Deployed high-performance Cypress parallelization framework on the company's K8s cluster, boosting CI speed, and increasing test reliability and visibility
- Scripting and automating the generation of Kubernetes resources, including YAML deployment, service, and volume definitions, reducing redundant resource declarations
- Refactoring Helm chart configurations to reduce technical debt and improve readability and maintainability

Software Engineer Intern

Sep 2022 – May 2023

J.B. Hunt Transportation

Remote

- Spearheaded mitigation of over 250 CVEs on the company's flagship Angular app, reducing technical debt and maintaining stability and security
- Mitigated 65+ critical vulnerabilities by upgrading and standardizing versions of Java web services, facilitating future migration to Spring Boot 3.0
- Engineered a RESTful API using Spring Boot and PostgreSQL to help accelerate onboarding for 50+ prospective summer interns and empower their learning
- Migrated antiquated RPA bots to production-ready Power-Automate solutions, lowering operating costs and improving customer experience workflow efficiency

Software Engineer Intern

June 2021 – Jan 2022

Jobs4Space

Seattle, WA

- Built and integrated robust Scrapy and Selenium parallel web scrapers to fuel job aggregator with 35 additional companies, improving user experience with more employment opportunities
- Slashed time taken to post job listings by over 50% by automating data processing and implementing data transformation Python middleware
- Reduced operational costs by migrating various proprietary web-scraper task templates with efficient and robust in-house scrapers

PROJECTS

Retirement Planning Software | *React, Spring Boot, MySQL, Docker*

- Built a full-stack web application for a local retirement firm, enabling advisors to manage prospective clients and generate data-driven financial projections, empowering clients to make informed financial decisions

Rocket League Sabermetrics Platform | *React, GraphQL, MongoDB, PostgreSQL, Docker*

- Led the development of a containerized microservice-driven game analytics platform using FastAPI web services and React and C++ mod client as the frontend, empowering players with comprehensive match analytics and machine-learned insights.