# Kyle Charlton

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Salt Lake City, Utah

https://github.com/kylejcharlton

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| **Education** | **University of Utah,** Salt Lake City, Utah | Expected August 2024 |
| | B.S. Software Development | |

**Weber State University,** Ogden, Utah — May 2017
A.S. General Studies

**Work Experience**

**DevOps Intern** — August 2022 – December 2023
MicroFocus, Provo, Utah

- Maintained and expanded a React app for aggregating and displaying build metrics and artifacts produced by Jenkins workflows and testing deployments
- Managed and deployed applications for internal use using Docker/Kubernetes within Rancher

**Software Intern** — April 2020 – October 2021
nView medical, Salt Lake City, Utah

- Optimized and expanded upon imaging algorithms to facilitate fast and accurate 3D X-Ray imaging and processing
- Implemented high performance communication between applications to facilitate real-time imaging feedback
- Developed real-time feedback to display tool positioning within an image during live medical procedures
- Took charge and maintained the front facing client that users would interact with for taking/viewing X-Ray images

**Projects**

**MyPetTag React App,** University Capstone

- Developed a Web App using React as a team with the purpose of helping locate lost pets through the use of NFC tags
- Implemented back-end logic for managing users and user data to facilitate a dynamic web page with instant feedback
- Worked on front-end logic to provide an efficient way to display user and pet data within a dynamic web page

**Spreadsheet Client/Server,** Academic Project

- Worked as a team over 6 weeks to develop a functional Google Docs clone
- Implemented function tokenization and server-side verification of user inputs

**Fingerprint Scanner,** Personal Project

- Interfaced with a fingerprint scanner to enable exporting scanned images using Java
- Currently in use by two local businesses to comply with Utah pawning requirements

Additional projects and open source contributions can be found on my GitHubs.

**Technical Skills**
Java, C#, C/C++, CUDA, Python, JavaScript, Node.js, React, WebGL, Firebase, Docker

**Relevant Coursework**
Web Software Architecture, Computer Networking, Computer Security, Computer Graphics, Human Interface Design