

# Taylor Randolph Griffin

EMAIL

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PORTFOLIO

www.taylorgriffin.io/projects

GITHUB

www.github.com/taylorggriffin

## SKILLS & CERTIFICATIONS

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- Python, JavaScript, C#, Node.js, React, .NET, SQL, C/C++, React Native, Typescript, GraphQL
- Leadership, Agile, Test-Driven-Development, Feature-Driven-Development, Pair-Programming
- LUMA Certification - Practitioner of Human-Centered Design

## EDUCATION

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### Oregon State University *Corvallis, OR*

Bachelor of Science in Computer Science, Systems Track

Graduated with *magna cum laude* honors

June 2020

GPA 3.81

- Senior capstone: AIAA High Altitude Liquid Engine Rocket Team - automated data acquisition from sensors using websockets in Python and utilized MongoDB database and Node.js RESTful API to store and serve sensor data

## EXPERIENCE

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### Cambia Health Solutions *Portland, OR*

12/2020-Present

*Software Development Engineer*

- Lead conceptualization, architecture design and implementation of the *Data Quality Gateway*, an ETL system which extracts, validates and conditionally loads data from various sources into target databases. MVP adds 18 points of validation to over 15 million rows of data per month, running on AWS Lambda using Python
- Automated error-prone and time-consuming ETL process by creating an asynchronous, queue-based, multi-threaded data pipeline in Python, increasing throughput of \$50 billion worth of billable claims extracts by 200%, and saving over 100 hours of operational work per year

### OrCalls

06/2020-Present

*Architect & App Developer*

Android/iOS app- allows users to browse, search, and interact with audio samples and spectrograms for over 200 Killer whale callsets

- Improve OrcaLab call recognition training process for volunteers and staff, significantly reducing avg. training time
- Increase access to OrcaLab cetacean data, broadening community exposure and interaction with northern resident killer whale population

### Cambia Health Solutions *Portland, OR*

04/2019-04/2020

*Software Development Engineer Intern*

- Developed a full-stack application using MSSQL, Node.js, and React, allowing business analysts to easily perform CRUD operations on several database tables while respecting referential constraints
- Re-implemented employer reporting process in Python, speeding up the generation of utilization data extracts by 200%, saving 72 hours of operational work per year
- Added history tables and CUD triggers to databases, enabling auditing and data-loss prevention for core business tables
- Designed and implemented continuous integration and continuous delivery strategy for Node.js, React, and Python applications to on-premises servers, increasing development velocity, and eliminating the possibility of untested code being deployed to production environments

### OSU Center for Applied Systems and Software *Corvallis, OR*

11/2018-04/2019, 04/2020-06/2020

*Software Developer Intern*

- Developed an internal tool for ODOT in .NET, allowing them to create, edit, and resolve road hazards and incidents on an interactive map, leading to enhanced *safety* and *efficiency* of ODOT operations
- Contributed to a fuel reporting and auditing system, and transactional credit marketplace in .NET, enabling DEQ to ensure fuel providers and distributors adhere to the complex regulatory guidelines of the *Oregon Clean Fuels Program*