Taylor Randolph Griffin

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EXPERIENCE

Cambia Health Solutions *Portland, OR* 04/2019-04/2020, 12/2020-Present
Software Development Engineer
Develop and support infrastructure enabling value based arrangements, a transformative billing model that compensates health care providers based on patient outcomes. Value Based Programs as an initiative at Regence have led to *6%* lower costs for members, *200%* higher patient satisfaction scores, and *14%* less opioid scripts filled.

- Automated error-prone and time-consuming data staging process by creating an asynchronous, queue-based, multi-threaded data pipeline in Python, speeding up the generation of *$50 billion* worth of billable claims extracts by *300%*, and reducing developer effort by *900%*

- Design and implement 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
Utilize .NET, Vue, and MSSQL to develop full-stack applications for the Department of Environmental Quality (DEQ), and the Oregon Department of Transportation (ODOT).

- Developed an internal tool for ODOT, allowing them to create, edit, and resolve road hazards and incidents on an interactive map, leading to enhanced *safety* and *efficiency* of ODOT operations

- Built a fuel reporting and auditing system, and transactional credit marketplace, enabling DEQ to ensure fuel providers and distributors adhere to the complex regulatory guidelines of the *Oregon Clean Fuels Program*

- Contributed to the *Transportation Operations Center System* (TOCS), a comprehensive platform that ODOT uses for real-time coordination of transportation related services, and monitoring of transportation operations

OSU AIAA High Altitude Liquid Engine Rocket Team 09/2019-06/2020
Computer Science Capstone
Develop sensor data pipeline for OSU AIAA, supporting their goal of being the first student-led rocket team to design, build, and launch a liquid-propelled, single-stage rocket to an altitude of *100km*, an accomplishment which would earn a *$1 million* prize for OSU.

- Develop interface to acquire data from sensors using websockets in Python, automating a previously manual process

- Design and implement MongoDB database and Node.js RESTful API to store and serve sensor data, increasing data availability to team members, allowing for more streamlined analysis

EDUCATION

Oregon State University *Corvallis, OR* June 2020
Bachelor of Science in Computer Science, Systems Track GPA 3.81
Graduated with *magna cum laude* honors

SKILLS

Languages: C#, Python, JavaScript, Node.js, React, .NET, SQL, C/C++, React Native, Typescript, GraphQL
Coursework: Software Engineering, Operating Systems, Computer Architecture, Databases, Data Structures, Compilers, Digital Logic, Algorithms, Mobile & Web Development
Methodologies: Agile, Test-Driven-Development, Feature-Driven-Development, Pair-Programming