**Experience**

ASTRONOMER (DATA ORCHESTRATION STARTUP), Seattle, WA 1/2023 – 4/2023

**Staff Software Engineer, Cloud IDE Team**

* Contributed to Apache Airflow and the Astronomer Cloud IDE. Owned new features and fixed about 100 bugs.
* Improved developer experiences. Added unit test tooling and methodologies, redesigned state management, and more.

[TABLEAU, A SALESFORCE COMPANY](https://public.tableau.com/views/TableauStory_16723398865440/HowIspentmytimeatTableau?:language=en-US&:display_count=n&:origin=viz_share_link), Seattle, WA 9/2016 – 1/2023

**Principal Software Engineer** (1/2021 – 1/2023)

* Reduced costs by $50M per year and vastly improved data quality by automating event-driven telemetry data collection.
* Advised projects across teams and individuals, led cross-organization efforts, founded new teams, lectured for communities, etc.

**Lead Software Engineer** (8/2020 – 1/2021)

* Improved time to interactive performance by 10,000%, by initiating a re-architecture of Tableau across organizations and teams.
* Mentored numerous engineers and was mentioned by over 50 in their yearly review feedback.

**Senior Software Engineer** (1/2019 – 8/2020)

* Saved over $8.3M per year by driving the [decision and effort to remove Internet Explorer support from all products](https://www.tableau.com/blog/upcoming-changes-tableau-operating-system-requirements).
* Created a platform for keyboard shortcuts with W3C accessibility, platform detection, etc. which was used millions of times.

**Software Engineer** (9/2016 – 1/2019)

* [Unblocked eight-figure contracts by building a platform to enable 31 key data source connectors on Tableau Server](https://www.tableau.com/blog/upcoming-changes-tableau-operating-system-requirements)
* Migrated Tableau to a progressive web application (PWA). Results showed a page load time decrease of 36%.

UNIVERSITY OF WASHINGTON, Seattle, WA 11/2019 – 5/2020

**Instructor**

* Taught extended bootcamp on full-stack web development as part of the university’s continuing education program.
* [Covered 103 topics including computer science theory, databases, frontend, and backend web development](https://public.tableau.com/views/UWTechnologies/TechnologiesbyType?:language=en-US&:display_count=n&:origin=viz_share_link).
* Exceeded all target performance metrics, reviews available at [bit.ly/42DndfI](https://docs.google.com/document/d/1X94TmVdmWv91NaqAJyng9TsdJnBHmVA1SQZJbjrwZv4/edit?usp=sharing).

ADDITIONAL ROLES 8/2011 – 8/2016

* BIZLER, **Co-Founder**, Architected and developed a business social app with Azure, Docker, and Angular. 2/2016 – 2/2017
* ANDROID > APPLE, **Founder and CEO**, Developed Android apps that generated 100k+ downloads. 8/2011 – 2/2016
* PAYPAL, **Intern**, Created system for live UML diagrams, in production 11 weeks early.5/2015 – 8/2015
* IBM, **Intern**, Built a BlueMix web app, replacing several existing systems. 5/2014 – 8/2014
* GISD, **Course Author**, Authored mobile app course. Taught to 1k+ students annually. 5/2012 – 8/2013

**Projects and Languages**

**Projects:**

* Released an OpenAI GPT-4 LLM fitness app to enable customized workouts and learning for disabilities, rehabilitation, etc.
* [Guest-lectured at LWTech on Big Data and data analysis](https://public.tableau.com/views/TechnologyAdoptionOverTime/AdoptionThroughTimeall?:language=en-US&:display_count=n&:origin=viz_share_link) for the Spring 2019 “Big Data Applications” course.
* [Deployed a free website for learning Android development taken by over 100K unique students](http://mapp-develop.appspot.com/).
* Built two websites for the City of Austin to display local pool and trail data on a map.

**Languages and Tools:**

* Proficient in TypeScript, C#, JavaScript, Java, C++, C, HTML5, CSS, React, Next.js, Chakra, Material UI, TanStack Query, and Git.
* Familiar with Python, SQL, Shell Scripting, x86 Assembly, Perforce, Redux, Enzyme, Service Workers, RTL, and PWA

**Education**

**Bachelor of Science**, Computer Science, minor in Mathematics, CS GPA 3.8, The University of Texas at Austin, Austin, TX (2016)