

# Jeffrey Souza

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EDUCATION	<b>University of Utah</b> ▪ B.S. in Computer Science, <i>Salt Lake City, Utah</i> • Cumulative GPA: 3.5 / 4.0	Aug 2013 – May 2017
EXPERIENCE	<b>Ultimate Software</b> ▪ Full Stack Software Engineer • Collaborated with Product, QA, and Devops to improve functionality and stability of web app • Debugged and refactored legacy code to decrease technical debt and resolve customer issues • Helped upgrade our unit tests from Nose to Pytest, updating and contributing test cases • Wrote scripts to fix inconsistencies in customer data across MySQL, MongoDB, and Elasticsearch	Sep 2018 – Present <i>San Francisco</i>
	<b>Navitaire</b> ▪ Back End Software Engineer • Coded in a .NET codebase, implementing new functionality, fixing bugs, and writing tests • Created an internal tool that identifies and cleans deprecated data in customers' MySQL databases • Attend daily scrum meetings to plan and coordinate with my agile team	Dec 2017 – Sep 2018 <i>Salt Lake City</i>
PROJECTS	▪ <b>A Boy and His Beard</b> • Created and designed a 3D action arcade game with Unity, published on itch.io and Steam • Implemented and optimized physics based gameplay code in C# • Allocated tasks to teammates and used Trello to track progress of features	Aug 2016 – Nov 2017
	▪ <b>Ochre</b> • Designed a lightweight 2D game engine built with OpenGL and SDL2 in C++ • Implemented tidy abstractions for creating windows, handling input, and rendering fonts • Developed extensive sprite and camera functionality to allow easy creation of animated scenes • Utilized continuous integration to build and test software on multiple platforms	Jun 2016 – Jul 2016
	▪ <b>oncoBOT</b> • Designed and implemented a machine learning based cancer diagnosis system with Python • Used openCV's SIFT feature detection to locate potential cancer modules in CT scans • Deployed Linode servers to run our machine learning algorithm • Created at the University of Michigan hackathon MHacks in 36 hours	Feb 2016
SKILLS	Most Used: C#, C++, Git, MongoDB, MySQL, Python, Vim Familiar With: Docker, Elasticsearch, Flask, Java, JavaScript, Jenkins, Make	
OTHER EXPERIENCE	<b>Professional Musician</b> ▪ Performed as a jazz guitarist at weddings, restaurants and private events ▪ Toured as a rock guitarist for the Love Hope Strength Foundation promoting bone marrow donation ▪ Composed and recorded music for personal projects and a local independent film	2013 – 2018
	<b>HackTheU</b> ▪ Co-founder • Worked as part of a small team to host the University of Utah's first annual hackathon • Mentored hackers and assisted teams plan, code and debug their projects • Established and utilized HackTheU's social media to recruit and organize 250 hackers • Co-founded a non-profit organization and raised \$17,000 in three months	Oct 2016 – May 2017