Jeffrey Souza

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EDUCATION

University of Utah   Aug 2013 – May 2017
- B.S. in Computer Science, *Salt Lake City, Utah*
  - Cumulative GPA: 3.5 / 4.0

EXPERIENCE

Ultimate Software   Sep 2018 – Present
- Full Stack Software Engineer   *San Francisco*
  - 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

Navitaire   Sep 2017 – Oct 2018
- Back End Software Engineer   *Salt Lake City*
  - 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

HackTheU   Oct 2016 – May 2017
- 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

PROJECTS

- **A Boy and His Beard**   Aug 2016 – Nov 2017
  - 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

- **Ochre**   Jun 2016 – Jul 2016
  - 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

- **oncoBOT**   Feb 2016
  - 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 MHhacks in 36 hours

SKILLS

Most Used: C#, C++, Git, MongoDB, MySQL, Python, Vim

Familiar With: Docker, Elasticsearch, Flask, Java, JavaScript, Jenkins, Make

OTHER EXPERIENCE

Professional Musician   2013 – 2018
- 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