Jeff Souza

6358 Canyon Cove Drive, Salt Lake City, Utah 84121, USA
jeffreymsouza@gmail.com • +1 (801) 550-7657 • yourfriendjeff.com

EDUCATION

University of Utah, Salt Lake City, Utah, USA

- B.S. in Computer Science   Aug 2013 – May 2017
  - Emphasis: Game Development
  - Cumulative GPA: 3.5 / 4.0

EXPERIENCE

HackTheU

- Co-founder   Oct 2016 – May 2017
  - 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

University of Utah IT

- Network Operations Intern   Oct 2014 – Jun 2016
  - Automated various IT tasks by writing Python and Bash scripts
  - Configured and managed routers, firewalls, and switches for the University of Utah's campus
  - Communicated with end users and IT teams to troubleshoot and resolve issues across the network
  - Installed wireless access points, network switches, power supplies, and ethernet cabling

PROJECTS

- A Boy and His Beard   Aug 2016 – May 2017
  - Created and designed a 3D Action Arcade game with Unity as part of a small team
  - Implemented and optimized physics based gameplay code in C#
  - Allocated tasks to teammates and used Trello to track progress of features
  - Published on itch.io and Steam

- 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 machine learning algorithms using cloud computing
  - Created at the University of Michigan hackathon MHhacks in 36 hours

AWARDS & SCHOLARSHIPS

- Dean's List, College of Engineering   2014 – 2017
  - Received five semesters for attaining a GPA of 3.5 or higher
- Honors at Entrance Scholarship   Jan 2013
  - Full-tuition scholarship at the University of Utah

SKILLS

- Most Used: C++, C#, Linux, Python, Unity, Vim
- Familiar With: Bash, C, Git, Java, LaTeX, Make, MATLAB, SQL
- Novice: GLSL, Go, Haskell, Javascript, Ruby, R, Travis CI

OTHER EXPERIENCE

Professional Musician, Salt Lake City, Utah, USA   2013 – 2016
- 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