

Joshua Avery Reed

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Education

Brigham Young University – Idaho

Degree: Computer Science

Expected Graduation: Spring 2022

Projects

Youtube (2017-CURRENT)

~2.85k Subscribers. 100+ tutorials. 400K+ views. (as of March, 2022)

https://www.youtube.com/channel/UCYRp_Nn1gPHY193zK18C_7g

Channel ran for projects and programming tutorials. Covering a variety of topics and tutorials

including (but not limited to) C++, Go, Python, SQL, SDL2, X11, game development, and QA

testing, code documentation tools, and programming algorithms.

Web & Server Hosting

Websites coded with HTML, CSS, JavaScript, PHP, Python. Hosted and managed on Linux and

BSD servers. Set up DNS (BIND & KNOT), Web Server (NGINX & Apache), email servers

(postfix, sendmail, mail), SQL databases (mySQL server & SQLite), and SSL certification.

thechamps.co

kourosdealings.org

thebeachstreet.com

jar.ylimaf.com

privateopps.org

(Note: some are out of date, others are in development.)

Github - <https://github.com/jarreed0>

Dig Clone / DNS Lookup Tool (Go dns-go) - <https://github.com/jarreed0/go-dns-lookup>

2D Game (C++ SDL2) - <https://github.com/jarreed0/DayZero>

Wordle Clone (C++ SDL2, Go Ebiten) - <https://github.com/jarreed0/wordle>

2D Game for YT tutorials (C++ SDL2) - <https://github.com/jarreed0/GameDevTut>

2D Game Engine/API (C++ SDL2) - <https://github.com/jarreed0/ArchGE>

Remaking classic games in C++ - <https://github.com/jarreed0/retroremake>

Java Android App - <https://github.com/jgibbons94/manna>

Ludum Dare #46 (Game jam / hackathon) - <https://github.com/jarreed0/ld>

(Github is being reorganized at the moment with more projects.)

Previous Jobs

The Champs Co

Full Stack Developer (PRESENT)

Salt Lake City, UT

admin@thechamps.co

Skills/task: Setup and ran Linux based servers

(setup with NGINX, KNOT, SQL), built front

and back end for websites using a variety of

tools and languages.

Reliant AC

Inventory Manager (2021)

Irving, TX

(817) 831-3950

AutoZone

Retail Sales Associate (2020)

Fort Worth, TX 76244

(817) 898-6100

Skills/task for Reliant AC and AutoZone:

Managed employees, trained new employees, ran warehouse/storefront, followed task and

orders proficiently, communicated with customers, managed stock/shipping/orders/etc.

Skills

Programming, Scripting, and Markup Languages (Experience in years, Last Used)

C++ - 7 - Current

Shell - 11 - Current

Python - 4 - Current

C - 3 - Current

Ruby - 1 - Current

HTML - 12 - Current

CSS - 7 - Current

PHP - 5 - Current

Go - 2 - Current

Java - 6 - 2019

Maintenance

- phpMyAdmin
- mySQL
- BIND
- Postfix
- Knot
- Apache
- NGINX
- SQLite

Spoken Languages

English - Native

Portuguese – Fluent / Max score on FLATS exam

Spanish – 10 years of schooling / Max score on FLATS exam

Italian – Basic / 2 years self taught

Tools & APIs

Quality Assurance & Documentation

- LCOV + GCOV
- Doxygen

- Git
- Pydoc

Data Analysis & Machine Learning

- Matplotlib
- Pandas
- Altair
- Numpy
- SKLearn
- TensorFlow
- Keras

Graphics & Audio

- Kdenlive
- Pitivi
- Audacity
- GIMP
- ffmpeg
- GLFW
- SDL
- Raylib
- OpenGL
- Ebiten
- SFML
- libX
- Pillow

Other

- Official Twitter API
- Official Discord API

Service

Volunteer Representative (Sep. 2017 - Aug. 2019)

The Church of Jesus Christ of Latter-day Saints

Experience with old-call techniques and interpersonal skills with 70+ hr work weeks, ran meetings/trainings.

Eagle Scout Award

Boy Scouts of America (2016)

Managed and communicated with a team of volunteers, worked with local authority, placed and managed orders.