

John Fial

☎ 503-560-0278 | 📍 Portland, OR 97210 | ✉ johnfial@gmail.com | in [LinkedIn](#)
🐙 [GitHub](#) (repositories/code) | johnfial.github.io/ (portfolio)

EXECUTIVE SUMMARY

Self-motivated, curious Software Engineer and Full-Stack Developer established at learning new technologies and teaching to others. 2-6 years experience, Python and JavaScript, HTML/CSS for web development. Passionate about depth in programming, not thin knowledge spread over dozens of frameworks/tools, and coding solutions optimizing for speed and scalability. Loves underlying principles and philosophy of computer science fundamentals and algorithms; Bachelor's in Security Management and knowledge of security, hacking, networking, protection, etc. Military veteran, bilingual Spanish, pays attention to detail, lifelong travel and diverse cultural background, strong ethics and work background, daily meditation practice; adept at communication and collaboration, voracious reading, writing, public speaking, and leadership, with years of sales experience, and certified Primal Health Coach.

PROFESSIONAL EXPERIENCE

PDX CODE GUILD

March 2021 - Present

Teaching Assistant

Remote

- Assist instructor in materials, syllabus, lesson planning, and curriculum. Assist in preparation of new programming "laboratory" exercises (homework) for students. Assist instructor at random throughout lectures. Met with students 1-on-1 (remote) to help grasp initially or further their understanding of introductory programming concepts for the course. Taught and provided technical support; troubleshooted problems, managed online questions via live-stream chat.

EDUCATION

PDX CODE GUILD

January 2021

Certificate, Full Stack Coding Bootcamp

Portland, OR

UNIVERSITY OF ARIZONA

December 2014

Master's, Molecular and Cellular Biology

PROJECTS

CHILDHOOD CANVAS

Deployed: <https://johnfial.pythonanywhere.com/> | Code: https://github.com/johnfial/childhood_canvas

- Visual play sandbox for older babies and toddlers, intended for full-screen, limited-feature use, focus on keyboard interaction. Deployed via PythonAnywhere. Django (Python) on back-end, JavaScript on front-end; uses Vue.js for its DOM.

LORD OF THE RINGS QUOTES

https://johnfial.github.io/LOTR_API/ | Code: https://github.com/johnfial/johnfial.github.io/tree/main/LOTR_API

- Exercise demonstrating building a web app to interact with an API using Vue.js.

SKILLS

Languages

Python, JavaScript ES6, CSS3, HTML5

Tools, Libraries, Frameworks

Django & DRF, Vue, Konva, introductory React, Selenium (Python), Bootstrap, Cryptocurrencies, DVORAK, DOM, OOP, Networking & TCP/IP, API and RESTs, Open-source, Security protocols (CSRF, XSS, SQLi)

Applications

GitHub, git, , pip, Git Bash, PowerShell, Cmdr, VS Code, Ajax, PythonAnywhere, Sync/Dropbox, Microsoft Office 365, vim

Practices

MVC, CRUD, REST, MVP, Agile, Scrum, JSON, Project Management, Risk Management, Database Design, Responsive Design, Graphic Design