

John Fial

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

EXECUTIVE SUMMARY

Self-motivated Software Engineer and Full-Stack Developer established at learning new technologies and teaching others. Python and JavaScript, HTML/CSS for web development. Passionate about depth in programming (vs. breadth), and coding solutions optimizing for speed and scalability. Interest in computer science fundamentals and algorithms. Bachelor's in Security Management and knowledge of security, hacking, networking, protection, etc.

PROFESSIONAL EXPERIENCE

PDX CODE GUILD (graduate of Full-Stack course, January 2021)

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.

UNITED STATES AIR FORCE

2007-2011

Airborne Sensor Operator (1A4x1)

Warner Robins AFB, GA, USA (plus deployments)

EDUCATION

UNIVERSITY OF ARIZONA

December 2014

Master's, Molecular and Cellular Biology

AMERICAN PUBLIC UNIVERSITY SYSTEM (remote)

May 2011

Bachelor's, Security Management (Coursework included *Evaluation of Security Programs*, *Contemporary Issues in Security Management*, *IT Security: Attack & Defense*, *IT Security: Auditing*, *Cyberlaw and Privacy in a Digital Age*, and *Industrial Espionage*)

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), 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