

Harper Foley

Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven full stack engineer with a track record of sustained superior performance across multiple high-risk, ambiguous environments within software development, finance, and military special operations. Skilled at translating complex concepts for technical and non-technical stakeholders, ensuring stakeholder alignment during projects. Thrives in fast-paced, high-pressure environments and excels at tackling complex challenges.

WORK EXPERIENCE

Full Stack Developer

[Ocean Observations Group](#) (formerly SeaWatch)

Seattle, WA
2022 – Present

- Designed, engineered, and documented RESTful APIs built using Serverless Framework and AWS Lambda
- Implemented comprehensive unit tests for API endpoints using Jest.js, ensuring accurate functionality and API robustness
- Conceptualized and implemented relational database using PostgreSQL and AWS RDS

Full Stack Developer

[Rainier Racing Co., LLC](#)

Seattle, WA
2021 – Present

- Developed proprietary web-scraping programs to collect real-time gaming NFT market data
- Integrated 3P APIs to build market analysis tools for 1,000 MAUs with 99.9% uptime
- Utilized data analytics to manage a portfolio of 35+ digital gaming assets to maximize profitability with >100% ROA

Technology M&A Analyst

[Houlihan Lokey](#)

San Francisco, CA
2021 – 2022

- Utilized data-driven insights to construct complex financial and valuation models and presentations to advise C-Suite executives on four cross-border M&A transactions across multiple industries with >\$2B in combined enterprise value, resulting in \$10M in fees for the firm
- Created VBA code and Excel templates to automate routine data cleaning process to simplify data entry tasks for the organization, saving ~1-2 hours per task per analyst
- Performed market research and analysis, drafted press releases, reviewed and edited legal documents, and led client engagement on 10 projects valued at ~\$3.5B, ensuring continuous deal flow for organization

Special Operations & Dive Engineering Officer

[United States Navy](#)

Virginia Beach, VA
2013 – 2021

- Planned and executed >500 high-risk, technical bomb disposal operations with zero mishaps
- Pioneered new disarming techniques and directed the development of the associated technical documentation for a first-of-its-kind explosive device used by all Coalition Forces in the Middle East
- Demonstrated expertise in translating stakeholder specific needs into easy-to-understand technical solutions during presentations to both internal and external senior leadership

PROJECTS

CleanAir Compass - [GitHub](#) | [Live Site](#)

Feb 2023

- A mapping interface and Air Quality Index alert system utilizing the PurpleAir network of sensors and API
- Built using Python, Next.js, Django / DRF, Twilio, NextAuth, and Leaflet; deployed on Vercel

ThoroughZED Analytics - [GitHub](#)

Jan 2023

- A gaming NFT market analysis and valuation tool trained on 50k+ sales designed for the ZED Run ecosystem
- Built using Python, Jupyter Notebook, Scikit-Learn, Seaborn, Pandas, and Matplotlib

EDUCATION

Code Fellows

Certificate - Advanced Software Development in Python

Seattle, WA
2023

Stanford Graduate School of Business

Certificate - Entrepreneurship / Entrepreneurial Studies

Remote
2020

United States Naval Academy

Bachelor of Science (B.S.) - Aeronautical Engineering and History

Annapolis, MD
2013

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS, PHP, C++
- **Web Development Frameworks:** Django / DRF, Next.js, React, Node.js, Express.js
- **Databases:** PostgreSQL, MySQL, MongoDB
- **API Development:** REST, GraphQL
- **Testing, DevOps & Deployment:** Docker, AWS, pytest, Jest.js