RILEY WORTHINGTON

worthirj@gmail.com
+1 (206) 430-0271
linkedin.com/in/riley-worthington
github.com/worthirj

PROFILE

First computer science graduate of Whitman College and student athlete with a passion for data science, software development, and user experience. Analytical thinker and creative problem solver with an eye for design. Seeking mentorship and growth opportunities building ethical, impactful tools in a fun and driven environment.

PROJECTS

Adversarial Motion Planning Simulation | Python, NumPy, Pygame
- Simulated agents pursuing one another through environment with obstacles
- Implemented and tested various motion planning algorithms including A*, Rapidly-Exploring Random Trees (RRT), Proportional Navigation for efficiency and effectiveness

Whitman Books Online | JavaScript, React, Redux, HTML, CSS, Material-UI
- Online platform for student book sales on Whitman campus
- Worked on front-end team to design user experience, interface with back end API to provide marketplace and listing/selling functionality

Primality Testing: Theory, Complexity, and Applications | LaTeX, Python
- 50 page research paper on polynomial time algorithms for primality testing and connections to cryptography. Read here: bit.ly/2uJaGIF
- Programmed AKS, Miller-Rabin, and other algorithms in Python
- Voted "Best Senior Project" 2018 by Whitman math department

EDUCATION

Whitman College

Walla Walla, WA

2014 - 2018

Bachelor of Arts, Computer Science
Bachelor of Arts, Mathematics
- First Whitman computer science major, 3.62 GPA
- Four-year varsity athlete, captain of cross country team senior year
- 2018 Bob Thomsen Award for athletic sportsmanship and integrity

Yonsei University (Semester Abroad Spring 2017)

Seoul, South Korea

- Studied Korean language and government, inter-cultural communication
- Volunteered at after-school care center for under-privileged children learning English

EMPLOYMENT

CS/Math Lab Aide   2015 - 2018

Whitman College Technology Services | Walla Walla, WA

- Supervised lab, tutored students with intro-level course material

Checker, Produce Clerk   2015 - 2016

Metropolitan Market | Seattle, WA

- Blended efficient check-out with engaging service to deliver an exceptional customer experience at highly regarded grocery store in Seattle
- Arranged produce displays, moved inventory, kept floors and restrooms clean

TECHNICAL SKILLS

4+ years: Python, Excel, Final Cut Pro

2-3 years: C, Bash, HTML/CSS

1- year: JavaScript, Java, Git, GitHub, React.js, Node.js, Vim, R