Aidan Ainsworth

in /in/aidansainsworth   /Sol-Aestuans

Seattle, Washington   **Cell:** (425)-953-3893   **Email:** Aidansol@outlook.com   **Portfolio:** aidanainsworth.com

Full-stack software developer seeking opportunities to utilize front-end and backend skillsets. Dedicated to supporting software throughout the design, development, documenting, deployment, and support processes. Excellent communicator with a proven record of facilitating excellent communication between shareholders, management, and developers.

Experience

Mathematics Tutor   **Mathnasium – West Seattle, WA**   **09/2024 - Current**

- Deconstructed difficult mathematics concepts into manageable steps.
- Managed groups of 4 students simultaneously, ensuring each student's progress is monitored and evaluated individually.

Cyber-wargame Developer   **Western Washington University – Bellingham, WA**   **09/2023 - 06/2024**

- Conducted comprehensive research on tabletop games, video games, and cybersecurity wargames to design an educational wargame tailored for cybersecurity instruction.
- Developed interactive prototypes using Typescript flavored Next.js for the front-end interface and Node.js for backend processes, leveraging Strapi as a headless CMS to manage users and actions. Integrated SQLite for database functionality and deployed the application on a Linux-based private cloud with VPN access for secure user connections. Employed GraphQL to optimize data retrieval and mutation with single-query efficiency.
- Maintained detailed documentation of engine features and project progression using GitHub and GitHub Wiki, ensuring smooth project handoff and facilitating future development.

Help Desk   **Western Washington University – Bellingham, WA**   **09/2021 - 06/2024**

- Delivered high-quality IT and AV support for Windows and Mac systems to faculty, students, and staff, ensuring user satisfaction and repeat engagement.
- Utilized JIRA to coordinate tasks and issues within the team, streamlining project and support workflows.
- Proficiently operated ALMA and Genie Plus library systems to manage inventory, reservations, and rentals, enhancing service efficiency.
- Advised patrons on IT and AV solutions, tailoring support to their needs and optimizing their experience.

Mover   **College Hunks – Bremerton, WA**   **06/2022 - 08/2022**

Day Porter   **Sound Maintenance Services – Snohomish, WA**   **11/2019 - 04/2020**

Crewmember   **McDonalds – Granite Falls, WA**   **03/2019 - 07/2019**

Education

Western Washington University (WWU) – Bellingham, WA   **09/2020 - 06/2024**

B.S. Computer Science   **Minor: Mathematics**

Notable Courses: Secure Software Development, Cloud Computing, Cloud Security, Operating Systems, Computer Networks, Mobile Device Programming, Game Programming, Cryptography, Analysis of Algorithms I & II

Skills

Technical – Proficient:	Java, C, C#, GitHub, HTML/CSS, JavaScript, React.js, Node.js, AWS, Python, JIRA, CAD/CAM, PowerShell/Unix Shell, DSA, SQL, REST API, Computer Networking, Microsoft Word/Excel/PPT, VS Code, Virtualization, problem-solving, detail-oriented, troubleshooting
Technical – Familiar:	Docker, Dart, GraphQL, MongoDB, Unity, Next.js, Azure, Google Cloud, Redis, Kubernetes, Playwright, JEST, Arduino, Soldering, Lisp. Alteryx designer, TypeScript
Social:	Leadership, emotional regulation, relationship-building, de-escalating, workload distribution, adapting communication styles, presentation skills

Projects

Mobile Workout Tracker (Current)	Flutter, Dart, Firebase	Tracks and schedules workouts with machine & target muscle specificity.
Portfolio Website (Ongoing)	JavaScript, HTML/CSS, React	Personal portfolio with resume and projects, continuously updated.
Cyber-Wargame Engine	Strapi, Next,js, Node.js, GraphQl, Virtualization, TypeScript, SQLite	Functioning engine for an educational wargame about cyber warfare. Now maintained by WWU.
Tic-Tac-Toe	AWS (Cognito, EC2, SES. Lambda), JavaScript, Python	AWS based tic-tac-toe with authentication and email notifications.
Deadwood	Java, XML, Java Swing	Virtualized 4-player boardgame, utilizes object-oriented design principles.
Word Guessing Game & Hangman	C	Network based 2-player games to showcase low-level programming and networking skills.
Mobile Daily Clock	JavaScript, React Native	Features daily quotes, light/dark mode, time & location tracking by using API's.