

Ken Smith

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SOFTWARE ENGINEER

Highly analytical problem solver with experience in Agile software development

TECHNICAL SKILLS

Languages/Tools: Java • Python • C • Erlang • Assembly • Git • Linux Command Line • IDEs

Fundamentals: Data Structures • Algorithm Development & Analysis • Object Oriented Programming
Agile Methodologies • Scrum Project Management • Design Patterns • Unit Tests • Machine Learning

EDUCATION

University of Washington, Tacoma, WA **June 2022**

Bachelor of Science – Computer Science & Systems **GPA: 3.99**

Math Minor

Green River College, Auburn, WA **December 2019**

Associate of Science - Engineering, Computer Science, & Physics **GPA: 3.95**

Awards: Highest Honors, Student Life Leadership (2019) – Founding President of Environmental Club

PROJECT EXPERIENCE

Glorp, a trivia maze game **June 2021**

- Collaborated with teammates utilizing agile methodologies
- Designed and implemented an intuitive GUI experience with sound and animations
- Integrated SQLite database to store different types of trivia questions

Power Paint, an MS Paint-like applet **December 2020**

- Designed a modular class structure following Model View Controller pattern
- Utilized OOP principles including inheritance and encapsulation
- Managed versions via Git Bash throughout development

Chess UI, a runnable chess game **June 2019**

- Utilized programming logic in order to develop robust programs and win class competitions
- Demonstrated knowledge of complex data structures such as Array Lists, Linked Lists, Stacks, Queues and Binary Trees by developing custom versions of these classes from scratch

PROFESSIONAL EXPERIENCE

Computer Science Tutor, Holman Library (Green River College), Auburn, WA **June 2019 – Dec 2019**

- Guided and assisted student understanding in Java and Python language courses
- Analyzed information and evaluated results to choose the best solution and solve problems
- Modified existing programs to correct errors or to improve performance

Math Lab Tutor, Green River College, Kent, WA **October 2018 – June 2019**

- Developed and maintained cooperative working relationships with others
- Identified the educational needs of others, teaching and instructing accordingly
- Assisted diverse students including non-native English speakers