

# Ken Smith

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## SOFTWARE ENGINEER

Highly analytical problem solver with experience in design, development, OOP and Artificial Intelligence.

### TECHNICAL SKILLS

**Languages/Tools:** Java • JavaScript • Python • C • Erlang • Assembly • Git • Linux • R • SQL

**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**

**Minor:** Mathematics

**Awards:** 3x Deans List, Summa Cum Laude

**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

**User Profiling with Social Media Data**, a deep learning implementation **March 2022**

- Engineered a python script to train a classification model with Keras, Tensorflow
- Implemented a convoluted neural net (CNN) to predict a gender classification for each user
- Compiled 88% accurate ensemble with my teams models

**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

### 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