

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 • Azure

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

PKMN DB, a registry website for hobbyists **June 2022**

- Designed and implemented a MySQL database and queries
- Bootstrapped an aesthetic website utilizing a Node.JS with Express framework
- Deployed the web application via Heroku cloud services with our DB hosted on Azure
- Collaborated with team using Git version management and Scrum methodologies

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 an 88% accurate ensemble model using images, text, and relational data

Ikebana, a JavaScript web game **March 2022**

- Co-developed a fun, top-down rogue-like game that earned awards in our cohort
- Refined collisions, fixed lag, and employed trigonometry to create a polished user experience
- Created many artistic assets and a short YouTube advertisement for the game

PROFESSIONAL EXPERIENCE

Computer Science and Math Tutor, Green River College, Auburn, WA **October 2018 – 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
- Developed cooperative working relationships with others including non-native English speakers
- Identified the educational needs of others, teaching both algebra and calculus concepts