Joseph Kularski IV

Recent CS graduate, Navy Veteran with 8.5 years service

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EDUCATION

University of Washington
B.S. in Computer Science

MARCH 2020 - JUNE 2022

GPA: 3.50, Dean's List

South Seattle College

SEPTEMBER 2018 - MARCH 2020

GPA: 4.0

PROJECTS

Blockchain simulator (Python with parallelism)   view code

Uses worker threads to simulate multiple block solvers to experiment with blockchain difficulty and difficulty update function.

Database Management System (Java with SQL)   view code

Concurrent DBMS on database of flights and user itinerary. Make SQL transactions such that users can make an account with a secure (hashed/salted) password, search for flights, book into an itinerary, and pay for the itinerary from the account.

Advent of Code (Various)   view code

Annual sequence of 25 language-agnostic puzzles in order of increasing complexity with an emphasis on data structures and processing.

PRIOR WORK EXPERIENCE

South Seattle College — *Staff Tutor*

MARCH 2018 - JUNE 2022

Tutored students in Computer Science, Writing, & Piano

US Navy — *Engineering Laboratory Technician*

MAY 2008 - NOVEMBER 2016

- Monitored and maintained nuclear plant water chemistry, hydraulic water and oil systems, and mechanical infrastructure for a nuclear-powered ballistic missile submarine engine room, USS Alabama (SSBN 731)
- Trained students for 2 years in schematic and technical manual interpretation and implementation.

LANGUAGES

- > Java
- > Python
- > C, C++, C#
- > HTML & JavaScript
- > Node, SQL, Datalog
- > OCaml
- > Racket
- > Supercollider

AREAS OF KNOWLEDGE

- > Security and Cryptography
- > Artificial Intelligence
- > Modern Algorithm Design
- > Data Management
- > Web Development

RECOGNITION & AWARDS

- > South Seattle College Outstanding Student Award, 2019
- > Phi-Theta-Kappa Honor Society member
- > 2 Navy/Marine Corps Achievement Medals