

Jason Hsi

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EDUCATION

B. S. in Computer Science (Completed) - 3.73 GPA University of Alaska Fairbanks

SKILLS

C/C++, Windows development, SQL databases, GitHub, HTML, CSS, SCSS, Foundation, object-oriented principles, Agile methods, design patterns, data structures, multithreading.

PROJECTS

Front-End Development (Django, HTML, SCSS, Foundation)

Centralized individuals on a website to promote faster volunteer event planning. I was responsible for all of the front-end development; this included learning all related front-end tools in a short amount of time and figuring out how to tie in the front-end with parts of the database. Functionality includes viewing an event calendar, add/remove events/organizations and jobs for events.

github.com/mcszymist/IAIDSWebsite

Neural Network Checkers Player (C, C++, SFML)

A neural network set to evolve into a high level checkers player. I was responsible for the development of the neural network and debugged the min-max function that a team member created. Worked with file creation/storing for generational data, SFML for checkers GUI creation, C for performance increase in neural network training, as well as reviewing checkers replays for signs of intelligence.

github.com/acheeseeye/ai-playing-checkers

Postfix Calculator on NASM Stack (NASM x86 assembly)

A calculator written in assembly that performs postfix calculations. Operators allowed include add, subtract, multiply, and parentheses. I was responsible for inputs and outputs of single digit operations and documentation of the project. github.com/acheeseeye/cs301calculatorProj

EXPERIENCE

Software Engineer Intern - Cook Inlet Tribal Council, Alaska (05/2018 - 08/2018)

Worked on input validation from parsed PDF form files and utilized Github for version control. Performed tests, refactored, and debugged on existing codebase to improve processing speed and verification of email suffix/prefix within multi-company SQL server.

Cake Decorator - Cakes In Love, Alaska (03/2012 - 08/2016, Summers only after 2014)

Provided front-facing customer service, cashiering, client cake consultations, cake design planning and execution, and occasional delivery service.