Kyle Fiscus Dybdal

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EDUCATION

Bachelor of Science in Computer Science
University of Puget Sound, Tacoma WA, expected May 2015
Minor: Mathematics

COMPUTER SCIENCE BACKGROUND

- *Languages:* Java, Python, Haskell, HTML5/CSS, Javascript
- *Courses:* Intro to Algorithms and Data Structures, Functional Programming, Math for Computer Science, Software Engineering, Assembly Language and Architecture, Graphics
- *Personal Education:* Codecademy Courses: Python, HTML/CSS, and Javascript

PROJECTS

- *Class:* Huffman Encoder - https://github.com/dybdalk/huffman-encoder
  - Utilizes custom trees to create a Huffman Encoder written in Java
- *Class:* OpenGL Android Applications - https://github.com/dybdalk/cs315-opengles
  - Small applications that showcase some of the uses of OpenGLES and its integration with Android
- *Class:* Haskell Combination Lock Generator - https://github.com/dybdalk/haskell-lock-gen
  - Demonstrates the capabilities of functional programming by generating the most secure "rotors" their characters for a word-based combination lock when given a number of rotors, number of characters per rotor, and the number of characters that should be considered for each rotor
- Personal: Python Platform Game - https://github.com/dybdalk/to-the-heights
  - A simple platform jumping game written in python. it's in pre-alpha right now, so it's playable, but a lot of the artwork and rules tweaks have yet to be implemented

EXPERIENCE

Software Development Intern January 2014-present
HeliTrak Inc., Gig Harbor, WA

- Developed modules for determining source to object code traceability. Produced a document detailing the project that was then approved by the FAA
- Wrote scripts for IMB's DOORS that increased the efficiency of doing requirements traces

EXTRA-CURRICULAR ACTIVITIES

Elected: *Vice President*, Lighthouse Interdenominational Christian Fellowship
Elected: *Eminent Chronicler*, Sigma Alpha Epsilon Fraternity
Participant: Theatre Productions, Jazz Combo, ACM