

# 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 GPA: 3.3/4.0

## 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 2012-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