Daniel Cartwright

Work Experience

2017-Present Programmer, Layer 3 Communications.

Working on problems in network security with Haskell and Nix.

Activities

2016- Hobby, Open Source Programming.

diet - Discrete Interval Encoding Trees (DIETs) in Haskell

silvi - Haskell library for generating fake data

freq - Cryptanalytic frequency analysis tool used to score domain names by validity

yubel - High performance chess engine written in Haskell

Ameybot - Fork of GNU Go, an engine for The Game of Go that I ran on The Computer Go Server as well as The Kiseido Go Server. Made adjustments to move generation and made additions to the shapes database resulting in roughly 100 ELO increase in playing strength.

2010-2014 Club, University Interscholastic League - STEM, Member.

Academic competitions organised by the University of Texas at Austin.

Participated in Calculator Applications, Mathematics, Number Sense, Science, and Computer Science.

Placed State in 2011, Regionals in 2012, 2013, and 2014.

Skills

Programming Haskell, Java, C#, C/C++, Python

Software Linux (2 yrs), git Other Vim, LATEX, NixOS