

William Harrison

Phone: 612-360-0256

Email: harr9203@stthomas.edu

Address: 1984 Grand Ave Apt 8, St. Paul, MN 55105

Education

University of St. Thomas

Fall 2011 - Spring 2015 (expected)

Majors Computer Science Information Security
Catholic Studies

Courses Algorithms, Information Security,
Object Oriented Design, Networking,
Modern Cryptography, System Design.

Skills/Languages

Languages Python, Bash, HTML, CSS, Javascript,
Java, C, C++.

Technologies Latex, vim, Wireshark, git, shell, Linux
Openssl, iOS, Android.

Work Experience

Medtronic

Summer Engineering Associate

Summer 2012

Fall 2012 - Spring 2013

Summer 2013

Fall 2013 - Spring 2014

- Maintained and updated in house website.
- Maintained a list of candidates for gaining special certification.
- Distributed instructional guides to help install statistical software.

Wayzata Youth Hockey Association

Peewee AA Coach

2012 - 2013

2013 - 2014

- Helped run practices for elite 13-14 year old travel ice hockey team.
- In charge of coaching by myself, groups of kids in rotation.
- Main source of communication with parents about team related information.

App Development

Independent App Developer

May 2009 – August 2009

- Released app called The Catholic App: Find a Church near you.
- Learned process of submitting apps on iOS and Android stores.

Projects

Quorridor Pathfinding

Built a tool for this game in Python to find the best path around placed walls to a winning destination. Github

Latex MLA Autoformat Tool

Implemented a program to autoformat MLA citation standards used for my humanities papers. Github

Python Cryptography

Built program in Python to test the strength of cryptographic functions for independent study in Modern Cryptography. Github

Music Studio

Developed a framework and design for a user music studio. Currently testing different ways to implement this program. The end product will be in C or C++.

Chess

Developing a Role Playing Chess game that implements simple chess playing with a campaign that adds a unique experience.

Interests

Ice Hockey

I played and now coach hockey. I love to incorporate the importance of life outside of hockey. I teach hockey as a game, but a game that can make you a complete person.

Music Production

I discovered my interest in all music in college and decided to pay for piano lessons and watch videos about all aspects of music production. I never knew anything about it before and now I consider myself very proficient in that area.

Arduino

Taught myself the basics of electrical engineering through experimentation with the Arduino. Implemented a simple dot matrix clock that displayed the time of day.