

Magnus Cardell

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EDUCATION

St. Olaf College

B.A. in Computer Science and Music

Northfield, MN

Graduation: 2018

Honors and Awards:

Christiansen 4 year Scholarship, Mary Esther & Erna Orth Endowed 4 year Scholarship.

PROJECTS

Laundry Pi.

- C++ application for students to check in real time if a washing machine is available.
- Successfully implemented cross platform communication between a Raspberry Pi and webhost.
- Analyzed vibration data using pattern matching to determine the validity of the data.

Stock Market Predictor.

- Python application to analyze past financial data to predict exchange rate tomorrow.

Other Projects:

- Software Simulation of the 1-bit ALU circuit.
- 21 bit Hamming Code generator, checker, and corrector.
- Geometric Mini Environment in Prolog.

Languages: C++, Python, Prolog.

WORK EXPERIENCE

IT Intern, Digital Scholarship Center, St. Olaf College.

Oct. 2016 - Present

- Work with students and faculty with design, production, and marketing projects.

Waiter, Bon Appétit Management Company, St. Olaf College.

Sept. 2014 – Oct 2016

- Manage food and beverage supplies while serving prepared meals.
- Provide a friendly customer service.

Chapel Assistant, St. Olaf College Chapel, St. Olaf College.

Sept. 2014 – May 2016

- Assist chapel cantor at Sunday Chapel services.

VOLUNTEER EXPERIENCE

Board Member, Habitat for Humanity, St. Olaf College.

Oct. 2014 – Present

- Participate in construction projects to build affordable housing for low-income families.
- Arrange volunteer trips to construction sites in five cities in five states.
- Plan and execute fundraisers for the Habitat for Humanity Chapter in Rice County, MN.

EXTRACURRICULARS

- Piano and Organ Performance
- Shotokan Karate
- Chapel Choir

2003-Present

2005-Present

Sept. 2014 – Present