

Christopher K. Shoemaker

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EDUCATION

Carleton College

Northfield, MN

- Bachelor of Arts in Computer Science received June 2017

WORK EXPERIENCE

Assistant Hardware Asset Manager

September 2014 – Present

Carleton College Information Technology Services

Northfield, MN

- Customize and deploy up to 30 laptops and workstations per month for Carleton faculty and staff
- Coordinate hardware replacements by phone with service representatives at Apple, Dell, and Lenovo
- Handle returns of 50+ computing assets on a weekly basis for system updates, reuse, or disposal

Software Engineering Intern

June 2016 – September 2016

AuSIM Incorporated

Mountain View, CA

- Enhanced an Arduino-powered gantry performing measurement and localization testing for audio perception research by implementing a console application in C++ to display its status and operation
- Participated in reviews on Arduino and C++ code

TECHNICAL SKILLS

Programming Languages and Software

- Experienced in Python, Java, C#, LaTeX, Git, Unix
- Familiar with C++, HTML/CSS, JavaScript, Qt, Unity

Coursework

- Software Design, Algorithms, Data Structures, Programming Language Implementation and Design, Audio Programming, Computer Security

TECHNICAL PROJECTS

Prairie: A Framework for Interactive Historical Experiences (C#), [github.com/DigitalCarleton/Prairie]

- Senior thesis group project for the Computer Science major at Carleton College
- In collaboration with a small team, developed an API enabling non-programmers to easily create interactive adventure games with Unity
- Designed and implemented editor UI extensions to improve user accessibility in creating with Prairie

MIDI Looper (C++, Qt), [github.com/shoemakerc/qt-looper]

- Designed a digital sampler to record and play back MIDI tracks using APIs for real-time MIDI input

LEADERSHIP EXPERIENCE

Co-President

September 2014 – Present

Carleton College Acapella Cello Ensemble (Just Cellin')

Northfield, MN

- Compose arrangements of popular music for an ensemble of 10 or more cellos
- Promote and perform concerts at Carleton, drawing audiences of 50 or more people per event

Math, Geography and Reading Tutor

September 2013 – March 2014

Northfield Reads and Counts

Northfield, MN

- Tutored algebra and geography for classes of up to 30 middle school students
- Implemented lesson plans to develop reading skills in groups of 5 elementary school students

OTHER SKILLS

- Native proficiency in French
- Working proficiency in German