

Chris Shoemaker

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EDUCATION

Carleton College

Northfield, Minnesota

- Bachelor of Arts in Computer Science, GPA 3.44
- *Relevant Coursework:* Algorithms, Software Design, Programming Language Implementation and Design, Audio Programming, Computer Security

WORK EXPERIENCE

Software Engineer Intern

June 2016 – September 2016

AuSIM Incorporated

Mountain View, California

- Implemented a C++ console application to test the operation of an Arduino-powered measuring gantry
- Assembled and tested audio perception hardware for clients in military research and VR development
- Led and participated in reviews on Arduino and C++ code developed by fellow interns

Assistant Hardware Asset Manager

September 2014 – Present

Carleton College Information Technology Services

Northfield, Minnesota

- Customize and deploy up to 30 laptops and workstations per month for Carleton faculty and staff
- Handle returns of 50+ computing assets per week for system updates, reuse, or disposal
- Triage and coordinate replacements of defective or broken hardware with Apple, Dell, and Lenovo

TECH PROJECTS

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

- Collaboratively develop a scripting library and associated documentation enabling non-programmers to easily create interactive historical adventure games with Unity
- Design and test game interaction and event systems together with exported data from Twine

MIDI Looper (C++, Qt)

- Interface for the recording and playback of MIDI tracks using common MIDI input devices together with RtMidi, a C++ API for real-time MIDI input and output

LEADERSHIP EXPERIENCE

Outreach Coordinator

January 2015 – Present

Carleton College Mixed-Race Student Association (MIXED)

- Promote a community for mixed-race students at Carleton through social media and event planning
- Participate in weekly meetings to discuss topics on mixed race identity and awareness

Vice President & Member

September 2014 – Present

Carleton College Acapella Cello Ensemble (Just Cellin')

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

Math, Geography and Reading Tutor

September 2013 – March 2014

Northfield Reads and Counts

- Tutored algebra and geography for classes of up to 30 middle school students
- Implemented lesson plans to develop reading skills in groups of 4 to 5 elementary school students

SKILLS

Programming Languages and Software

- *Strong:* Python, Java, LaTeX, Git
- *Familiar:* C++, C#, HTML/CSS, Qt, Unity

Foreign Languages

- French (advanced proficiency), German (working proficiency), Latin, Ancient Greek