

SaraBurns

Address

321 Greene Rd.
Berwyn, PA, USA,
19312

Tel & Skype

(484)-716-4208
sara.burns311

Email

sburns@wellesley.edu

Web & Git

saraburns.me
github.com/saraburns

Technical Skills

Proficient:

Python, Java,
Windows

Familiar:

JavaScript/JQuery,
HTML/CSS, MacOS,
Linux, SQL

Languages

French: Working
Proficiency

Conferences

TEI 2015: Presented
EmotiSphere as a
Works-in-Progress

CCSCNE 2015: Will
present work on
Concept Map

Activities

Chamber Music
Society Outreach
Chair/Historian, Music
Theory Tutor, Classical
Clarinet

Education

09/2012-now **Anticipated Bachelor's Degree in Computer Science, 05/2016**

[Wellesley College, Wellesley, MA](#)

GPA: 3.91/4.0

Coursework: Data Structures, Calculus I/II, Combinatorics & Graph Theory (Discrete Math), Multi-agent simulation, Algorithms, Intro to Machine Organization, Tangible User Interfaces, Databases (Spring 2015)

Experience

09/14 - now **Supplemental Instruction Leader**

[Pforzheimer Learning and Teaching Center, Wellesley College](#)

- Lead sessions twice a week for up to 25 students to review lecture material and build computational thinking skills in introductory Computer Science course

06/14 - now **Research Assistant**

[Wellesley College Computer Science Department, Wellesley, MA](#)

- Created a Concept Map tool using Javascript, HTML, CSS, and Python in support of an NSF-sponsored project working to utilize MIT App Inventor to teach introductory Computer Science

06/13 - 08/13 **Lead Technology Instructor**

[Lavner Camps, Bala Cynwyd, PA](#)

- Taught Video Game Design, using Multimedia Fusion 2, and Robotics, using Lego Mindstorms, to classes of up to 25 children

05/12 **Public Relations & Fundraising Intern**

[Bryn Mawr Terrace, Bryn Mawr, PA](#)

- Developed grant proposals and press releases • Created a large donor database for a donations mailing list using Excel

Projects

EmotiSphere

[Created for Tangible User Interfaces](#)

An interface that utilizes Arduino, Processing, and Pure Data to translate physical signs of emotion into musical compositions

Schedule Sculptor

[Created for Data Structures](#)

A Java application for course catalog search and class schedule building. Both random and filter search were supported.