

# AARON PLAVE

COMPUTER SCIENCE  
WEB DESIGN  
VISUAL ARTS

aplave@wesleyan.edu  
301.525.4937  
github.com/AaronPlave

## EDUCATION

### WESLEYAN UNIVERSITY

2011—2015 | MIDDLETOWN, CT  
Bachelor of Arts in Computer Science  
Cumulative GPA: 3.76 / 4.00  
Dean's List four semesters

### ACQUINCUM INSTITUTE OF TECHNOLOGY

SPRING SEMESTER 2014 | BUDAPEST, HUNGARY  
Studied Computer Science & User Interface Design

## SKILLS

### PROGRAMMING

Comfortable with Python | Javascript | SML/NJ  
Familiar with Java | C++ | Perl | Objective-C

### WEB TECHNOLOGIES

HTML5 | CSS3 | jQuery | Flask  
Django | Node.js | MongoDB  
Phonegap | Responsive Design

### GENERAL SKILLS

Git | SVN | UNIX | Photoshop | InDesign  
myBalsamiq | Typography | Rapid-Prototyping  
Some experience with iOS & Android development

## EXPERIENCE

### WESLEYAN UNIVERSITY | Research

FALL 2014—PRESENT | MIDDLETOWN, CT  
Established a data pipeline between BrainVision EEG software and MaxMSP using Matlab to allow for real-time sonification of EEG signals. Working to expand upon the system to allow for more sophisticated signal analyses.

### NASA GSFC | Software Development Intern

JUNE 2014—AUGUST 2014 | GREENBELT, MD  
Designed, developed, and integrated prototype ESRI-Shapefile-based analysis capabilities for Giovanni—an online earth and climate science data access and analysis portal created and maintained by the GES DISC. Used mock-up tools for rapid prototyping, coded in Python, Perl, HTML, CSS, Javascript, and learned to work within large codebases.

### WESLEYAN UNIVERSITY | Research

FALL 2013—DECEMBER 2013 | MIDDLETOWN, CT  
Developed software and algorithms in Python to better classify and understand the mechanisms of bacterial genetics and evolution.

### NATIONAL INSTITUTES OF HEALTH | Fellow

SUMMERS 2013 & 2014 | BETHESDA, MD  
Developed software in Python to automate and simplify image capture for part of a high-resolution, volumetric imaging process known as Array Tomography, resulting in the complete open sourcing of the analysis portion of the Array Tomography pipeline.

## PROJECTS

**CIRCADIAN** | Co-developed a 24-hour music aggregator for iOS, available for download on the Apple App Store.

**WESAPI.ORG** | RESTful API for manually curated and automatically scraped Wesleyan University related content.

**WESAPP.ORG** | A site under development for display of Wesleyan University related content such as events, hours of operations, menus, films, and more, powered by WesAPI.

**NEWSPUN** | A site for user-controlled visualizations of natural language processing analyses on aggregated news articles, built on Flask and D3.js.

**WIKIMAPS** | A Chrome extension for aggregation, display, and information regarding user-selected locations on any webpage, powered by Google Maps and Wikipedia.

**SIMPLESTEVE** | Co-developed a Dropbox-based blogging service that converts word documents to HTML/CSS and automatically posts them online to a blog created for the user.

## ACTIVITIES

Course Assistant for Introduction to Programming  
Origami @flic.kr/s/aHsjBDuoZ1  
Photography @flic.kr/ps/2948X4  
Jazz saxophone & piano