AARON **PLAVE**

COMPUTER SCIENCE
WEB DESIGN
VISUAL ARTS

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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.

EDUCATION

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

AQUINCUM 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

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.

SIMPLESTEVER | 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