

JAMES PETULLO

jpetullo14@gmail.com

Github: <https://github.com/Ajax12345>

Personal Site: <https://ajax12345.github.io/>

Education

- Current Homeschool High School Student
- Dual Enrollment at Assumption College and Worcester State University

Technical Skills

Fluent:

Python | C++

Comfortable:

HTML | CSS | Java |

Javascript | JQuery

Libraries:

Scikit-learn | Numpy |

Matplotlib | Pygame | Kivy |

TkInter | Feedparser |

Selenium | Smtplib | Urllib |

Bottle | Re | Requests |

Flask

Coursework

Highlights:

- Calculus 1
- Statistics
- Python Programming

Assumption College |

2016-2017: Junior Year High School

- Introduction to Programming
- Intermediate Programming

Worcester State University |

2017 Fall Semester: Senior Year High School

- Discrete Structures I
- Algorithm Analysis
- Data Structures

STACKOVERFLOW CONTRIBUTION

- Contributing to online programming community
- Answering user questions regarding Python, C++, and personal projects
- Worldwide Site Ranking: top 5% in Python2, Python 3, lists, and dictionaries; top 10% in regular expressions, and top 20% in list-comprehension and strings

STARTUPS



ScholarScout

Founder, creator, CEO, and CTO of ScholarScout

SCHOLARSCOUT | ONGOING | PYTHON, FLASK, HTML, CSS, JQUERY

- ScholarScout is a revolutionary platform that allows students to create a custom, tailored resume that reflects the colleges they wish to attend, the majors they are interested in along with their student skills and personal activities.
- This site was created with the hardworking, conscience student in mind: namely, reflecting their entire person, without referencing exterior grades and test scores.

PERSONAL PROJECTS

PERSONAL ASSISTANT | 2017 | PYTHON, FEEDPARSER, JSON, SMTPLIB

- Created a Personal AI that could parse complex user input to determine the desired operation
- Able to send emails from personal account through a single input command containing the input message
- Fetch sports news, weather data, and national news
- Schedule events and remind user of upcoming obligations and activities

WikiParser | 2017 | PYTHON, REQUESTS, URLLIB, BEAUTIFULSOUP, RE

- Wikipedia article parser with advanced functionality
- Able to access paragraph text, retrieve list of article URLs, and format complete article reference citation list
- Currently, as of 8/2017, the only active Python library on the web able to scrape Wikipedia infoboxes
- MIT Licensed, available for all projects

AI CHESS GAME | 2017 | PYTHON | BOTTLE | HTML | JAVASCRIPT

- Wrote a chess algorithm for human vs. computer matches
- Utilized Monte Carlo Tree Search to best determine computer counter moves
- Fast, efficient run time and accurate computer move judgment
- Game front end written in HTML and Javascript, powered by the Python library, Bottle

PERSEUS PROGRAMMING LANGUAGE | 2017 | PYTHON

- Most advanced personal project to date
- Perseus is a dynamic programming language that is tailored to individual modification and hacking
- Perseus is structured to comprehend one line comprehensions

OPEN SOURCE

DRAGONFIRE | ONGOING | PYTHON, REGEX, JULIUS, GOOGLE APIS

- Contributing to advanced personal assistant for desktop. Ultimate goal is to achieve the same results and accuracy as Apple Siri
- Wrote weather fetching feature for project. Contributed to graphical display.

APPS

IdeaHost | ONGOING | JAVASCRIPT, HTML, CSS, ADOBE PHONEGAP, APACHE CORDOVA

- IdeaHost is a personal listing of all jobs, ideas, or inspirations that one may accumulate. IdeaHost allows a user to enter his thoughts into the application, which stores the idea and allows the information to be played back to the user.
- By 10/2017, IdeaHost will be fully equipped with speech recognition capabilities