

paul vorobyev.

Full Stack Developer

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Education

Marlboro High School

3.6 GPA, 2010 SAT

Relevant Coursework: AP Computer Science, AP Statistics

Rutgers University - New Brunswick

Courses of Study: Computer Science and Statistics (Double Major)

Sep. 2011 - Jun. 2015

Sep. 2015 - May 2019

Projects

NetBox

Python, JavaScript (Node.js), RabbitMQ, Linux, Raspberry Pi

- Server and browser which allow users to access the internet without wifi
- Currently undergoing development
- Wrote a Node.JS server to process requests and distribute tasks
- Used python worker scripts to perform tasks involving website scraping and compression
- (Planned) Web browser written in Python's PyQt framework to efficiently render compressed HTML/CSS

WhoDat

Python (Flask), HTML5/CSS3, JavaScript, Bootstrap, Google Chrome API, Alchemy API

- Worked in a team to create a Google Chrome extension to find email addresses
- Created an interface and website using HTML5/CSS3, JavaScript, jQuery, and Bootstrap
- Implemented algorithms for generating and checking a list of possible email addresses in Python

RapGenerator

Python, Node.js

- Created a web application to generate rap songs
- Used HTML, CSS, and JavaScript to create a basic frontend interface and send requests to the server
- Wrote Python script to find, scrape, and edit over 200 songs from the internet
- Set up Flask server to get requests and generate new songs using markov chains

Experience

CodeDay Organizer

StudentRND

Jan. 2014 - Present

- Organized several 24 hour, 100+ person events in New York aimed at introducing students to programming
- Worked with team to procure event sponsorship and venues
- Ran workshops and mentored attendees about web development and programming methodology

Technical Skills

Proficient: JavaScript (including jQuery, Node.js, Sails.js, Express.js), Python (including Flask), HTML5, CSS3, MongoDB, Linux, Git

Familiar PHP, Java, RabbitMQ

Extracurricular

MHS Codes

Nov. 2012 - Present

- Co-founded my school's first programming club
- Wrote and taught curriculum centered around Python and HTML5/CSS3.
- Introduced students about programming methodology, technology, and general computing