

paul vorobyev

full stack developer.

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education

Rutgers University - New Brunswick *New Brunswick, NJ Sep. 2015 - May 2019*

Course of Study: B.Sc. Computer Science and Mathematics

Relevant Coursework: Intro to Computer Science, Data Structures

Extracurriculars: USACS (Computer Science Club) Board Member, HackRU Organizer

Marlboro High School

Marlboro, NJ

Sep. 2011 - June 2015

Relevant Coursework: AP Statistics, AP Computer Science, AP Calculus BC

Extracurriculars: Vice-President and Co-Founder of Programming Club

experience

Slash Keyboard

New York, NY

May 2015 - Sep. 2015

Software Engineer, Intern

- Joined an early-stage startup to create mobile keyboard focused on sharing content
- Assisted with autocorrect implementation in C/C++
 - Implemented functionality to serialize and deserialize a large heap-like data structure for better load times and efficiency
 - Created an Objective-C wrapper for use on iOS platforms
- Wrote and documented an internal library for generating images in Python

StudentRND

New York, NY

Jan. 2014 - Present

Local CodeDay Organizer

- Worked with a team of students to plan a series of events in New York aimed at introducing teenagers to programming
- Organized hackathons, taught several workshops, and mentored new developers

projects

- **Beethoven** - LSTM neural network that uses the frequency and time domains of various songs to generate simple melodies in Python
- **BF Interpreter** - Interpreter for an esoteric programming language written in Python
- **WriteRight** - iOS keyboard with a Node.js backend that offers users factual autocorrect suggestions
- **RapGenerator** - Python scraper and Node.js backend for programmatically generating rap songs through Markov Chains

technical skills

Proficient: Java, Python, JavaScript, Node.js, Linux, Git, HTML5, CSS3, Vim

Familiar: C, C++, Objective-C, Swift, Ruby, PHP

honors and awards

- **HudsonHack Intern Edition 2015** - First Place
- **HackRU Spring 2015** - Addteq + New Brunswick City Government Civic Fellowship Award
- **Robertsville Fire Department** - James Melia Memorial Scholarship