

Paul Vorobyev

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education

Rutgers University - New Brunswick

Sep 2015 - May 2019

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

Relevant Coursework: Data Structures, Computer Architecture, Systems Programming, Principles of Programming Languages, Linear Algebra, Linear Optimization

Extracurriculars: USACS (Computer Science club) secretary, HackRU Organizer

experience

Facebook *Software Engineer, Intern*

May 2016 - Aug 2016

- Created a testing environment on top of Facebook's distributed architecture for Wit.ai's numerous Clojure backend services using Hack/PHP and Python
- Wrote a library in Hack/PHP that allows developers at Facebook to write their own chat bots and extend the M platform
- Contributed several features and critical bug fixes to the Wit.ai and M platforms using Clojure, Javascript/ES6, and React

Open System Solutions *Student Systems Programmer*

Jan 2016 - Present

- Collaborated with team to build, maintain, and distribute RPM packages used by over 70,000 faculty and students
- Wrote and maintained scripts and software for automating system administration tasks for Linux production servers
- Created and refactored web applications for university service apps using Python, Flask, MongoDB, and Jinja2

Slash Keyboard *Software Engineer, Intern*

May 2015 - Sep. 2016

- Helped implement a top-k completion algorithm to create an autocorrect feature in C++
 - Wrote code to serialize a large heap-like data structure to maximize load and search time
- Wrote and documented a small internal library for generating images in Python

projects

- **Chess Engine** - A chess engine that picks moves using minimax search and alpha-beta pruning, implemented using Clojure and Java.
- **WriteRight** - iOS keyboard and Node.js backend that offers factual autocorrect suggestions
- **RapGenerator** - Node.js web application that communicates with Python workers via AMQP to programmatically generate rap songs through Markov chains

technical skills

Proficient: Java, Python, JavaScript/ES6, Node.js, Clojure, Linux, Git, Vim

Familiar: C, C++, Hack/PHP, Haskell