CHEN GARBER

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SKILLS

Languages:	Python, Javascript / Node, Java, Clojure, Scala
Some Experience:	Apache Spark, C, Swift, RabbitMQ, MongoDB, Redis, SQL, Angular, Express, Vue, Wordpress, Linux user
Interests:	Big Data, Data Structures, Algorithms, Databases, Web Apps
Other:	Fluent in English, Russian; some Spanish

RELATED EXPERIENCE

Software Engineer, *Hariri Institute at Boston University* *Summer 2017*

- Utilized Apache Spark on 6 terabyte economics datasets
- Sped up search queries over 2000% using a Spark Cluster

Software Engineer, *Biomedical Engineering at Boston University* *Feb – May 2017*

- Built streaming API for biological sensor data
- Created Cloud UI for viewing and sharing experiment data
- Visualized experiment results in the cloud with D3.js
- Implemented caching and fault tolerance for important data

Web Designer, *Self Employed* *2013 – 2016*

IT Technician, *Boston University* *October 2016 – December 2016*

Programming Teacher, *RSM* *March – July 2016*

- Taught 5-week intensive Python course to 13-15 year olds
- Designed and created curriculum on my own

IT Intern, *aPriori Technologies* *Summer 2014, 2015*

Math Tutor, *RSM* *2012 – 2014*

EDUCATION

Boston University College of Arts and Sciences Boston, MA

Computer Science – GPA 3.97 – Dean's List Expected May 2019

RELATED COURSEWORK

Data Structures and Algorithms, Combinatoric Structures (Discrete Math), Geometric Algorithms (Linear Algebra), Computer Systems, Probability in Computing. In Progress: Concepts of Programming Languages, Intro to Analysis of Algorithms, Algebraic Algorithms.

OTHER PROJECTS (personal, hackathon, and school projects)

- **Big Data –** search a set of over 100,000 resumes by skills using big data algorithms from the FLANN library (Fast Library for Approximate Nearest Neighbors)
- **Pattern Matching –** Quantitative analysis of stocks
- **Web sockets –** Online multiplayer game
- **Messaging software –** transmit text messages using audible sound playback (won 3rd place)
- **Algorithms** – physics simulation, enciphering messages, solving Sudoku, computer-generated art
- **Organizer of BostonHacks** – 350 person Boston hackathon, two years in a row