**CHEN GARBER**

kgarber.com | kgarber@bu.edu | (781)-686-4333 | GitHub: KenG98 | linkedin.com/in/kengar

**SKILLS**

**Languages**: Python, Javascript / Node, Java, Clojure, Scala

**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; Proficient in Spanish

**EDUCATION**

**Boston University College of Arts and Sciences** Boston, MA

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

**RELATED EXPERIENCE**

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

* Utilized Apache Spark on 6 terabyte economics dataset analysis.
* Sped up search queries over 2000% using a Spark Cluster.

**Software Engineer**, *Biomedical Engineering Research Laboratory 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*

**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**

* **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 using Clojure (a functional LISP).
* **Web sockets –** Online multiplayer game using Node.js and socket.io.
* **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 (2017 and 2018).