Benjamin Kats

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BRAND STATEMENT

Newly graduated Object-Oriented Programmer with a strong academic background in Engineering and Mathematics, seeking my first Full-Stack Developer role. I am an analytical thinker who is stimulated by complex problems and gratified through the implementation of simple, elegant and efficient solutions. I flourish as part of a team that takes pride in their projects and creates meaningful products which have real impacts on real people.

TECHNICAL SKILLS & COMPETENCIES

- **Programming Languages:** Java, C++, Python, Swift, Ruby
- **Web Development:** JavaScript, HTML, CSS, React.js
- **Databases:** Postgres (SQL), MongoDB (NoSQL)
- **Microservices:** Docker
- **Frameworks:** Spring Framework
- **Test Automation:** Appium, Selenium
- **Project Management:** Agile: Jira, Trello

- **Relevant Coursework:** Algorithms, Data Structures, Design & Implementation of Web Apps, Database Systems, Operating Systems, Differential Equations
- **Platforms:** Windows (10, 8, 7, Vista, XP), Mac OS X, Linux
- **Applications:** Visual Studio Code, Terminal, Sublime, GitKraken, Sketch, Adobe Photoshop, Illustrator, Microsoft & Google Suites
- **Languages:** English: Native | Russian: Bilingual | Spanish: Intermediate

PROFESSIONAL EXPERIENCE

General Assembly   August - November 2019
Software Engineering Immersive   Manhattan, NY
- Completing an intensive 12-week/500+ hour Full-Stack developer bootcamp program in which I utilized some of the most important modern languages including HTML, CSS, JavaScript, Java, PostgreSQL, Shell, Spring Boot, React and Redux to create deliverables.

MVI Systems   November 2018 - March 2019
Full-Stack Software Engineer Intern   Brooklyn, NY
- Automated testing of IOS, Android and Web applications through Appium/Selenium with a Ruby backend, effectively eliminating all manual, physical testing of MVI software.
- Implemented front-end bug fixes of client, admin and dealer web portals using React.js which stabilized the product and improved user experience.

Drive Rite Academy   November 2015 - November 2018
Web Developer   Brooklyn, NY
- Modernized the company website from a static "services list page" into a user friendly, modern website, increasing web traffic and search ranking through technical SEO strategies, successfully listing Drive Rite Academy as a top 3 result for multiple search queries on Yelp.
- Integrated the Appointy API into the website which allowed for ecommerce, resulting in a 150% increase in profit in the first 3 months.
- Optimized scheduling software by implementing macros and removing rarely used pages and buttons.

Shorefront YM-YWHA   June - August 2015
Programming Head Counselor   Brooklyn, NY
- Taught a nightly introductory front-end development course once a week to a class of 15-20 Russian immigrants to encourage them to pursue software careers.

TECHNICAL PROJECTS

Spillit   October 2019
- Programmed a "Reddit-like" monolithic application with core Reddit functionalities of signup, login, create post/comment with a RESTful API using Spring Boot as the backend, Postgres for the database, and HTML, CSS and Vanilla JavaScript for the front end.

InstaHandle   May 2019
- Developed a web scraper in Python that quickly identified unique and available Instagram usernames by parsing the HTML of Instagram's website.
- Designed an algorithm to detect and pass Instagram's bot checking protocols by generating a new user agent for the active session and retrieving authentication codes sent by email.

Handwriting Recognition   October - December 2018
- Created a full stack machine learning application which recognizes individual letters and numbers through an HTML canvas library.
- Utilized Python, Tensorflow, and Keras API to create a prediction model based on the EMNIST dataset resulting in ~85% accuracy.
- Built a RESTful API that returned predictions from the Keras model by creating and routing Flask endpoints.

EDUCATION

City University of New York - Brooklyn College: May 2019
Bachelor of Science: Computer Science w/ Mathematics Minor
   Major GPA: 3.731 | **Coordinated Engineering Honors College** | **Deans List**

CAMPUS INVOLVEMENT

Founder & President | Brooklyn College Engineers (BCE)   August 2016 - May 2019
Academic/Professional Club (300 members)   City University of New York - Brooklyn College
- Created the first social space for students in the Engineering program to share ideas, network, and foster entrepreneurial growth.
- Organized and led over 30 free tutoring sessions in Computer Science, Physics, Mathematics and Engineering courses.