Rishabh (Ray) Iyer

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EDUCATION

Stanford University   **Stanford, CA**
Expected Major: Computer Science (Bachelor of Science)   *2017 – 2021*
GPA: 4.1
Relevant Coursework: Programming Methodology; Programming Abstractions; Probability for Computer Scientists; Standard C++ Programming Lab; Computer Organization and Systems; Linear Algebra & Multivariable Calculus
Planned: Object Oriented Systems Design, Principles of Computer Systems, Applied Matrix Theory, Machine Learning

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EXPERIENCE

Black SMS Inc.   **San Francisco, CA**
Business Development Intern   *June 2018 – Present*
- Integrated existing recruiting pipeline with an online applicant tracking system to improve efficiency.
- Redesigned the company website to improve visibility and display the existing team and advisors (blacksms.info).

CollegeVine   **Cambridge, MA**
Applications Consultant   *June 2018 – Present*
- Consulting with high school juniors and seniors and their parents to help them craft their college applications.
- Assisting with creating school lists, brainstorming essay topics, essay editing, writing extracurricular lists, and more.

Stanford Pre-Business Association   **Stanford, CA**
Management Consultant   *January 2018 – May 2018*
- Advised consumer e-commerce startup MemeBox (YCW14) on growth and customer acquisition strategy.
- Researched methods to boost user referrals and retention, as well as ways to effectively utilize influencer marketing.

Alchemist Accelerator   **Palo Alto, CA**
Business Development Fellow   *December 2017 – June 2018*
- Developed skills in partnership-building, negotiation, market research, diligence interviews, and more.
- Worked on a partnership with a local fitness provider to offer as a perk to affiliated portfolio companies.

PROJECTS

Rideshare Optimizer (github.com/Riyer01/Rideshare-Optimizer) [Work In-progress]
- Creating web application that utilizes Uber and Lyft's APIs to compare prices in real-time for a given route.
- Integrated with the Google Maps JavaScript API to provide address autocomplete, geocoding, and map visualization.

WikiRacer (github.com/Riyer01/WikiRacer)
- Written in standard C++ with STL libraries; a search algorithm to find link ladders between Wikipedia pages.

Dynamic Memory Allocator (Class Project)
- Designed both implicit and explicit free-list models for managing memory on the heap and servicing requests.
- Implemented malloc(), realloc(), and free() using these models in C.

Machine Learning (Class Project)
- Implemented the Naïve Bayesian Classifier and Logistic Regression algorithms from scratch in standard Python.

Companion (goo.gl/mfkKyv)
- Working in a team of 4, designed an app that would facilitate "pet-sharing" between pet-owners and animal lovers.
- Pitched the idea and process to a panel of venture capitalist partners and won second place overall.

SOCIAL SERVICE

The Friendship Circle   **West Bloomfield, MI**
Volunteer   *September 2013 – June 2017*
- Served as one of the youth presidents for the organization, which supports special needs children.
- Orchestrated a fundraiser concert that raised over $700 for the organization.

SKILLS AND INTERESTS

- HTML5/CSS3, JavaScript, REST API integration, Java, C++, C, Python (BeautifulSoup, Selenium), UNIX, git.
- English (fluent), Spanish (skilled).
- Interested in music and technology; human-computer interaction; UI/UX design; artificial intelligence.