

# Rishabh (Ray) Iyer

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## EDUCATION

### Stanford University

Major: Computer Science (Bachelor of Science)

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 Fall 2018: Object Oriented Systems Design, Principles of Computer Systems, Applied Matrix Theory

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Stanford, CA

2017 – 2021

## PROJECTS

### Rideshare Optimizer ([github.com/Riyer01/Rideshare-Optimizer](https://github.com/Riyer01/Rideshare-Optimizer)) [Work In-progress]

- Creating web application that will utilize 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.

### Wallpaper Scraper ([github.com/Riyer01/Wallpaper-Scraper](https://github.com/Riyer01/Wallpaper-Scraper))

- Wrote a script to scrape pictures of cars, overlay them with inspirational quotes, and cycle as desktop backgrounds.
- Utilized Python with BeautifulSoup, Requests, PIL (Imaging Library), and a public REST API to gather quotes as JSON.

### WikiRacer ([github.com/Riyer01/WikiRacer](https://github.com/Riyer01/WikiRacer))

- Implemented an algorithm to find the shortest series of links to click to navigate between two Wikipedia pages.
- Written in standard C++ with STL data structures.

### 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.

### Companion ([goo.gl/mfkKyy](https://goo.gl/mfkKyy))

- In a team of 4, designed and prototyped an app to 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.
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## WORK EXPERIENCE

### Black SMS Inc.

Business Development/Recruiting Intern

San Francisco, CA

June 2018 – Present

- Developed Python script (with Selenium) to automate personalized outreach via AngelList to over 1000 candidates.
- Redesigned the website to display the team, advisors, company history, and product pivot (blacksms.info).

### CollegeVine

Applications Consultant

Remote

June 2018 – Present

- Advised three clients (high school juniors and their parents) to help them craft their college applications.
- Assisted with creating school lists, brainstorming essay topics, describing extracurriculars, and more.

### Stanford Pre-Business Association

Management Consultant

Stanford, CA

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

Business Development Fellow

Palo Alto, CA

December 2017 – June 2018

- Developed skills in partnership-building, negotiation, market research, diligence interviews, and more.
  - Worked on establishing partnerships with airlines and fitness providers to offer as perks to portfolio companies.
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## SOCIAL SERVICE

### The Friendship Circle

Volunteer

West Bloomfield, MI

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.
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## SKILLS AND INTERESTS

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