

Tyler A. Kaye

+1(914)-582-9330 | tkaye@princeton.edu | Github: tkaye407

EDUCATION

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- Princeton University** (Princeton, NJ) September 2014 - June 2018
GPA: 3.84
- Major: Computer Science, Bachelor of Science in Engineering
 - Minors: Engineering Management Systems | Statistics and Machine Learning | Robotics and Intelligent Systems
 - Relevant Coursework: Algorithms and Data Structures, Programming Systems, Probability and Stochastic Systems, Linear Algebra, Multi-Variable Calculus, Optimization, Information Security, Logic Design
- Rye Country Day School** (Rye, NY) September 2001 – June 2014
GPA: 4.0
- Relevant Coursework: AP Computer Science, Game Design, Web Design, AP Physics, BC Calculus
 - Oral Proficiency Intern (Co-President, Mandarin) Varsity Soccer and Track (4 Years), 2-year Track Captain and MVP
- Bronfman Youth Fellowships** (Jerusalem, Israel) Summer 2013
- Selected out of 500 applicants to travel with 26 Fellows to Israel to engage in meaningful dialogue, study Hebrew texts, and discuss the current political situation of Israel with guest speakers and professors.

PROFESSIONAL EXPERIENCE

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- MasterCard – Software Architecture Intern** (New York, NY) Summer 2016
- Designed the POC for the IOS Embedded Registration Framework using Objective C, Swift, and the Cocoa Framework
 - Also assisted the SDK Generator Team to help with the Open API initiative. Worked with Java, JSON, JWT/JWE/JWS
 - Investigated the platforms of competitors in the digital payments sector and provided recommendations to management
- iXperience Web Development Bootcamp – Student** (Cape Town, South Africa) Summer 2015
- Studied the language Ruby before learning the Rails MVC framework. Studied routing, models, databases, and associations
 - **Technologies Used:** Ruby on Rails, Bootstrap, Heroku, Git/GitHub, API's, HTML/CSS, JQuery, AJAX, Map API's
- Ghostery Enterprise – Implementation Intern** (New York, NY) Summer 2014
- **Project:** Created a customized data request form to be used internally to better handle database queries
 - **Technologies Used:** ASP.NET, HTML/CSS, Mailer Clients, Bootstrap, AWS, SQL, Data Cookies

EXTRACURRICULAR ACTIVITIES

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- Princeton University Varsity Sprint Football Team – Wide Receiver and Punter/Kicker** September 2014 – Present
- Time commitment: Fall 18+hrs/week -- All-CSFL Second Team (2015), Special Teams MVP (2014)
- Princeton Engineering Education for Kids – Tutor / Engineering Mentor** February 2014 - Present
- Teach Lego Robotics and general engineering challenges to children at local middle school – Engineering Mentor
- Tiger Inn Club and The Kappa Alpha Order – Member** 2015 - Present

AWARDS

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- Princeton University**
- **Quin Morton Freshman Research Award:** “Double Disequilibrium: The Physics Behind Man’s Wilderness Relationship”
 - **2015 Academic All-Ivy Recognition:** Given to 5 athletes best combining academic excellence with athletic accomplishments
- Rye Country Day**
- **Brown University Book Award:** “For Academic Excellence in Written and Spoken Expression” (2013)
 - **Hudson Valley Scholar Award:** Awarded to Valedictorians and Salutatorians in Hudson/Westchester Counties (2014)
 - **Founder’s Award:** For 100+ hours of community service (2013/2014)
 - **Fairchester Athletic League Scholar Athlete Award** – (2014)

TOOLS & LANGUAGES

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- Coding**
- Proficient:** Java, C, Swift, Objective C, Cocoa Touch Framework, Ruby on Rails, HTML/CSS, Git, MATLAB, Excel
- Knowledgeable:** JavaScript, R, MySQL, Postgres, Heroku Dev Services, ASP.NET
- Other**
- Conversational:** Mandarin

PROJECTS

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- Git Friends – Creator and Developer (iXperience)** - <https://secret-mesa-6285.herokuapp.com/> Summer 2015
- **Project:** Git Friends provides an opportunity for Mentors and Mentees to connect, share resources, and code. Mentors can chat with their Mentees, endorse skills, browse companies/jobs, and develop meaningful relationships
 - **Technologies Used:** Ruby on Rails, Git/Github, Bootstrap, HTML/CSS, JavaScript, JQuery
 - **Username:** tyler@me.com --- **Password:** password --- Note: The app is currently live, but has not been marketed