Tyler A. Kaye

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EDUCATION

Princeton University (Princeton, NJ)   September 2014 - June 2018
- Major: Computer Science, Bachelor of Science in Engineering   GPA: 3.84
- 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
- Relevant Coursework: AP Computer Science, Game Design, Web Design, AP Physics, BC Calculus   GPA: 4.0
- 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
- Engaged in Hebrew text study regarding pluralism, religion, and politics with professors and prominent guest speakers

PROFESSIONAL EXPERIENCE

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
- Generated Code Snippets for the Open API initiative. Used Java, JSON, JWT/JWE/JWS, and Swagger API Specs
- 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

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

Princeton Computer Science Department Grader – Algorithms and Data Structures Grader   September 2016 - Present

Princeton Men's Club Soccer Team – Member and Player   September 2016 - Present

Tiger Inn Club and The Kappa Alpha Order – Member   2015 - Present

AWARDS

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)

TOOLS & LANGUAGES

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

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