ANDREW XIA

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Please email for address and phone number

EDUCATION

Massachusetts Institute of Technology   Class of 2017
Candidate for BS in Mathematics and Computer Science (18, 6-2)· GPA: 4.6/5.0   *Cambridge, MA*
Selected Coursework: Applied Discrete Math, Modern Algebra, Real Analysis, Numerical Methods, Algorithms I, II & III, Computational Structures, Microcomputer Project Laboratory
Awards: HackMIT 2014 Sailthru Prize (Oct 2014)

Peking University   Fall 2015
Exchange student, attended classes taught in Chinese   *Beijing, China*

The Rivers School   Class of 2013
Awards: Cum Laude Society, High Honor Roll · GPA: 4.0/4.0   *Weston, MA*

WORK EXPERIENCE

Morgan Stanley · *Quantitative Finance Intern · New York, NY*   Summer 2016
· Developed SPG fundamentals page for Securitized Products Group, a web based framework to integrate group's data sources for intuitive cross-desk data comparison and modeling
· Wrote back end database connections in Q and front end in AngularJS, SCSS and Highcharts API

Pupil Labs · *Software Engineering Intern · Berlin, Germany*   Summer 2015
· Implemented a 3D eye tracking algorithm using ellipse backprojection to help improve pupil detection.
· Assisted assembly of pupil headsets, helped develop new website. Part of MIT MISTI-Germany Program

VISA · *Software Engineering Intern · San Francisco, CA*   Summer 2014
· Intern at Visa Labs Incubator division, designed backend for new payments website.
· Presented demo of augmented reality payments system to board of directors at end of internship

AG Mednet· *Software Engineering Intern · Boston, MA*   Summer 2013
· Developed an approximate string matching algorithm in Java that optimized search through company database
· Decreased search time inside database by 80% over previous search tool

PROJECTS

Leakage Resistant Public Key Authentication for Embedded Devices· *Cambridge, MA*   Sept 2016 - pres.
· *Upcoming:* Part of SuperUROP Program in the MIT Energy Efficient Circuits & Systems Group.

MIT Mixer Series · *Cambridge, MA*   Feb 2014 - pres.
· Led, designed and organized the MIT Mixer Series, connecting members of the MIT class of 2017 to meet each other and grab dinner with funding. Runs every semester, over 400 MIT 2017s have signed up and many new friendships formed.

ACTIVITIES AND LEADERSHIP

· **MIT Technique** (yearbook club) Living Groups Photo Editor   *2016 - pres.*
· **Amphibious Achievement** Director of Program Evaluation, Swim Coach, Academic Mentor   *2013 - pres.*
· **Pi Lambda Phi Fraternity** Vice President, Scribe, Community Relations Chair, Historian   *2013 - pres.*
· **Class Council** 11th Grade Class President   *2011 - 2012*

SKILLS AND INTERESTS

Computer Languages	Python, Java, HTML/CSS, JavaScript, Matlab, Assembly, C, Q
Human Languages	fluent in English & Chinese; conversational in German & Japanese
Interests & Hobbies	Planespotting, Skiing, Photography, YouTube, Writing, Traveling & Living Abroad
Favorite Book	The Fountainhead