

# Francis Chen

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MIT S.B. in Computer Science and Engineering (CSE)  
MIT M.Eng. Candidate in CSE - 6/2016 (expected)  
GPA: 4.6/5

## Skills

Languages: Python, Scala, HTML/CSS/JavaScript, Java, C++, C, Perl

Key coursework: Elements of Software Construction, Performance Engineering of Software Systems, Design and Analysis of Algorithms, User Interface Design and Implementation, Computer System Engineering

## Experience

Software Engineering Summer Intern in Advertising Technology, A9.com since 6/2015

- › Using machine learning to solve time series forecasting problems, informing business strategy
- › Working with Scala and Python, leveraging Spark, Hadoop, and Hive for big data processing

User Experience (UX) Intern, OutLearn Inc. 1/2015

- › Designed mockups for content creation, discovery and management, using UXPin
- › Collaborated with company leadership, fellow designer, and engineers, adopting Agile methodology

Technology Associate Summer Intern, Bridgewater Associates 6/2014 - 8/2014

- › Built a strategic data ingestion tool for the company's next-generation research platform
- › Assessed relevant business problems, designed solution, and implemented solution in Scala

Platform Infrastructure Engineering Summer Intern, Akamai Technologies 6/2013 - 8/2013

- › Built a software tool for hard drive error detection intended for over 10,000 Windows servers
- › Designed, developed, and tested software tool, working in Perl

## Activities

Teaching Assistant (TA) for Oral Communication at MIT since 7/2014

- › Will lead 4 sections of around 6 students each, providing public speaking coaching and feedback

Gordon Engineering Leader, MIT Gordon Engineering Leadership (GEL) Program 4/2013 - 5/2015

- › Completed two-year leadership curriculum, earning Advanced Certificate of Engineering Leadership
- › Shaped first year GEL student experience actively as mentor and Assessment Team member

Teaching Assistant (TA) for Engineering, Innovation, and Design at MIT 9/2014 - 5/2015

- › Wrote documentation and delivered lectures to explain technical course content
- › Answered student questions both in-person and online, serving approximately 60 students over 2 semesters

Undergraduate Researcher, MIT Weiss Lab for Synthetic Biology 6/2013 - 8/2014

- › Designed high-throughput microfluidic DNA assembly system, involving both hardware and software
- › Earned Technical Report Award from department's Advanced Undergraduate Research Program