# Irene Fan

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## Education

### MASTER OF SCIENCE IN COMPUTER ENGINEERING | JUNE 2018 | PRINCETON UNIVERSITY

· Specialization: Computer Vision/Graphics

### BACHELOR OF SCIENCE | MAY 2015 | TRINITY UNIVERSITY

· Major 1: BS, Computer Science with Honors (GPA: 3.91)
· Major 2: BA, Business Administration (GPA: 3.85)
· Minor: Management Information Systems

## Work Experience

### PRODUCT MANAGEMENT INTERN | THEMUSE.COM | SUMMER 2017

· I programmed an article recommendation system with topic modeling (unsupervised machine learning) along with another intern. This project won the company Hack Day Award.
· I was the product manager for the first MVP of the project above, and saw it from start to finish. It performed approximately 3.15 times better than the old version on average (success metric: click-through rate).
· I designed and facilitated 2 user interview-and-testing sessions, and provided suggestions for future sequencing.
· Other research and Analyses: user funnel analysis with sunburst diagrams; competitive analysis; individual user value estimation.

### ASSISTANCE IN INSTRUCTION & CS LAB COORDINATOR | PRINCETON UNIVERSITY | AUGUST 2016 - PRESENT

· I led lectures, office hours, and grading sessions for Data Structure and Algorithms, and Human-Computer Interaction.
· I managed the computer science lab and lab TAs.

### SOFTWARE ENGINEERING INTERN | RACKSPACE INC. | SUMMER 2014

· I designed and implemented time zone automation for the CRM software (SQL).
· I participated in the development of another ticketing and reporting web application for unsatisfied customers. The system is now in production in the USA and UK offices (C#, .NET, SQL, HTML, CSS, Java).
· I improved the reporting web application with new search, filter, and reporting features (C#, .NET, SQL, HTML).
· I implemented security and regression testing with Selenium (Java).

## Skills and Other Passions

### PROGRAMMING

· I represented Trinity University at the ACM ICPC South Central Regional (please see personal website and LinkedIn profile for programming project details).
· Languages: C++, Java, MATLAB, Processing, Scala, Haskell, SQL, Python, HTML, CSS

### ENTREPRENEURSHIP & LEADERSHIP

· I led a team of 3, won the 1st place of class 2015 in a business strategy competition, and was invited to the triannual International Best-Strategy Invitational.
· I took 2 entrepreneurship courses and was the product lead for both class projects.
· President of Chinese Culture Club at Trinity; Director of Art of Association of Chinese Students Scholars at Princeton.

### MUSIC & SONGWRITING

· 8 years in choir; award winning songwriter; lead vocalist in 2 bands; second guitarist in 1 band; held personal concerts; stage manager.