

## Christine Tsou

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## EDUCATION

**University of Virginia**, School of Engineering and Applied Science  
Intended B.S. in Computer Science. GPA: 3.78 / 4.0

Charlottesville, VA  
*Expected Dec 2017*

**Thomas Jefferson High School for Science and Technology**  
Advanced Studies Diploma. GPA: 4.3 / 4.0

Alexandria, VA  
*June 2014*

## SKILLS

- **Programming Languages:** Java, Python, C++, C#, Ruby, JavaScript, and Fortran 90
- **Web Applications/Databases:** HTML/CSS, XML, JQuery, Ruby on Rails, JQuery, Bootstrap, Django, AngularJS, SQLite/MySQL, SQLServer
- **Other:** Apache Spark, Apache Kafka, Docker, Familiar with UNIX/Linux, Eclipse, GIT, Maven, Android Development/Android Studio, Unity, Visual Studio, Team Foundation Server

## RELEVANT PROJECTS AND COURSEWORK

Computer Architecture	Algorithms	Database Systems
Internet Scale Applications	Advanced Software Development	Capstone Practicum

<b>elocute</b>	Samsung Gear Virtual Reality Application to help boost confidence with public speaking
<b>thatplace</b>	Android application that saves the location of the user using a Pebble Time smartwatch
<b>Quota</b>	Web app to track credit card spending using Capital One's API (Nessie) and Twilio
<b>NoteDrop</b>	Android application that facilitates note taking using speech to text recognition
<b>CAPP</b>	Personal Android calendar application
<b>NoteScribbler</b>	Individual research project that transcribes notes in an audio file into sheet music

## PROFESSIONAL AND WORK EXPERIENCE

**Microsoft Corporation, Software Engineer Intern** *May – Aug 2017*

- Improve the processing and performance of dumping SQL Server debugging output into a Dump Data Warehouse used to investigate issues across multiple crash dumps
- Simplify the Dump Data Warehouse import pipeline by setting up a server to process crash dumps daily

**Microsoft Corporation, Explore Intern** *May - Aug 2016*

- Designed and implemented a customer engagement tool to facilitate the process of collecting and managing customer feedback through a web application
- Full stack experience through creating a Django web application from scratch

**MITRE, Software Engineer Intern** *Jun - Aug 2015*

- Developed Quick runwaySimulator to expedite airport capacity analysis at hundreds of airports
- Explored Speech-to-Text open source libraries for transcribing Live Air Traffic Control audio files

## OTHER RELEVANT EXPERIENCE

**Miracle Messages, Android Mobile Application Developer** *Fall 2016 - Current*

- Design and build an Android application to streamline and simplify the process for volunteers recording messages for Miracle Messages (a nonprofit connecting homeless individuals to their long lost loved ones)

**theCourseForum, Product Lead + Web Developer - ([www.theCourseForum.com](http://www.theCourseForum.com))** *Feb 2015 - Current*

- Website created to help students evaluate course options at the University of Virginia
- Drive agile development iterations, maintain, develop, and polish new features for theCourseForum website

**Internet Scale Applications, Teaching Assistant** *Spring 2017*

- Build a marketplace website using concepts and methods for engineering large-scale internet applications

**Advanced Software Development, Teaching Assistant** *Spring 2017*

- Analyzes modern software engineering practices and apply methods for designing and implementing large software systems