

# Anthony Hicks III

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## Education

Illinois Institute of Technology	Computer Science	August 2017
Master's of Science and Bachelor's of Science		
Applied Mathematics Minor		
Cumulative GPA: 3.10/4.0		Major GPA: 3.08/4.0

## Study Abroad

East China Normal University	Summer 2014
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## Projects

### *Android Development*

- Created several Android Applications for the Google Play Store under the developer name Mingo Technology.
- Signed a contract with Greenville Public School District in 2012 to create Android Applications for all the schools in their district, approximately 13 schools. The application contained school information such as the school's calendars, testing information, graduation information, and handbook.
- **Physics:Mechanics**, an application I created in 2012 that acts as a physics calculator. Users input known variables for an equation and the application solves for the unknown variable. The application also includes a physics dictionary for several common physics terms.
- **Unit Converter**, an application I created in 2013 that allows users to convert from one unit of measurement to another unit for several quantities, including but not limited to weight, height, temperature, speed, and time.

### *Web Development*

- **RealTexting.net**, currently discontinued, was a website that allowed users to send messages from the website to phones. The website was hosted as a Microsoft Azure Web App, written in ASP.NET MVC C#, and was backed by a SQL Server database. The website worked for carriers in the US and Canada before being discontinued.
- **AnthonyHicksIII.com**, my personal website written by me. The back-end is written in PHP. The front-end is written using HTML5, CSS3, and JavaScript. The website also uses jQuery, the Foundation CSS Framework, and the Slick JavaScript library.

### *Class Projects*

- **REST API for Advertisers**, created a REST API application in Java using Jersey and Tomcat. The API allows advertisers to put an advertisement listing on a website for a certain category, similar to Google and Amazon Ads. The API also allows the advertisers to delete listings. The REST service supports GET, POST, PUT, and DELETE requests. The application had to be deployed in a Linux environment and installation had to be automated.

## Experience

<i>Software Engineering Intern at HERE Technologies</i>	<b>05/2017 - Present</b>
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- Creating Scala applications, using the IntelliJ IDE and Gradle as the build tool, that creates statistics from a large dataset and give those statistics to a service to be used by other users. The application retrieves its data from multiple AWS S3 buckets and delivers the data through an API given by the service it uses. Git is used as the version control tool.
- Work in an agile environment, help plan sprints and create user stories, and participate in daily scrum sessions.

<i>Expert for CodeMentor.io</i>	<b>01/2017 - Present</b>
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- Online mentor for those who need help with various coding problems and assignments.

***Software Engineering Intern at HERE Technologies*****05/2016 - 08/2016**

- Created a Scala application, using the IntelliJ IDE and SBT as the build tool, that randomly added attributes to Google Protocol Buffers. and populated them with values, allowed users to test the robustness of their applications to non-breaking changes.Used Git for version control.
- The application pulled its data from an AWS S3 bucket and send data back into the bucket.
- Worked in an agile environment, helped plan sprints and created user stories, and participated in daily scrum sessions.

***IT Intern at Marathon Petroleum Corporation*****05/2015 - 08/2015**

- Built an ASP.NET MVC C# application that allows users to edit the configuration of applications installed on remote servers.
- Debugged others' ASP.NET applications.

***Teacher Assistant for IIT Computer Science Department*****08/2013 - 12/2016**

- Helped teach the introductory Object-Oriented courses along with the Computer Organization and Assembly Language course, graded papers, and provided one-on-one tutoring for students.

***Member of Illinois Institute of Technology Stars Computing Corps*****10/2012 - 05/2017**

- President of Organization from 08/2015 - 05/2016.
- Taught Computer Science concepts to middle school and high school students.
- Mainly taught students who are underrepresented in Computer Science.
- Lead review sessions for Computer Science courses.

**Skills****Languages**

Chinese (Mandarin) - Limited Working Proficiency

**Software And Web Development**

Android	C	C++	C#
Clojure	CSS3	Git	HTML5
Java	JavaScript	jQuery	jUnit
LaTeX	Linux	MySQL	Python
PHP	Protocol Buffers	Racket	Scala