

# STEVEN THOMAS

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## Education

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### University of North Carolina at Chapel Hill

May 2016

B.S. Computer Science, Japanese Minor

3.77 GPA, Dean's List

Relevant Coursework: Introduction to Statistics, Linear Algebra

## Relevant Experience

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### RENCI - *Volunteer Database Designer and Analyst*

Fall 2014

- Implement and analyze a database in **Postgres** containing data on start-up companies.

### Acme-McCrary Corporation - *Volunteer Sales Analyst*

Summer-Fall 2014

- Used third party modules in **Python** to automate the analysis of sales data in Excel to determine appropriate shipping information, changing the process from taking one hour to one second.
- Use a **JDBC-ODBC** bridge to connect to Microsoft Access files and construct sales reports.

### Foundations of Programming Student - *Computer Programming Tutor*

Spring 2014

- Tutored a special needs student with ADHD in object oriented concepts using **Java**.

## Class Projects

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### Advanced WWW Development - *Audio Game for Visually Impaired*

Fall 2014

- Organize and lead a group to complete an online audio game.
- Design front-end in **JavaScript** to send query requests to the server for available in-game options.
- Assist in designing a **PHP** script to traverse server-side database as requested by the client browser.

### Foundations of Programming - *Alice-Like Program*

Fall 2013

- Created an Alice-like program with a **MVC** architecture in **Java**.
- Implemented a DSL with **recursive descent parsing** to control an **asynchronous animation** of actors.

## Activities & Achievements

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Chapel Hill Contemporary Music Ensemble, violist

2013-Present

Composed over 80 sheets of original music

2008-Present

National Honors Society

2012

High School Math Tutoring

2010-2011

- Volunteered to tutor students in all levels of math up to calculus.

North Carolina Governor's School Student

Summer 2010

- Participated in a highly selective six-week residential program in which 600 students from across the state study contemporary modes of thought in various academic disciplines with a heavy emphasis on critical thinking.

## Skills

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- Languages: Java, Python, C, JavaScript, HTML/CSS, SQL, PHP, Assembly
  - Algorithms: Sorting, searching, recursive descent parsing, animation
  - Design Patterns: Model-view-controllers, command objects, delegation
  - Threads/synchronization, implementing generics, exceptions
  - Unix/Linux
  - GUI Design
  - Intermediate proficiency in Japanese