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STEVEN THOMAS

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Education

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

UNC Systems Genetics - *Volunteer Researcher and Programmer* Spring 2015

- Use the D3 **JavaScript** library to visualize data in a **SQLite** database.

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 **OLE DB** to connect to Microsoft Access files in **C#** 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

Advanced WWW Development - *Web Application* Fall 2014

- Implemented a custom **ORM** and **REST**ful interface to a **MySQL** backend.
- Used **AJAX** to dynamically load and edit data using **REST**.
- Used text to speech to read the data in browser.

Foundations of Programming - *Alice-Like Project* 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

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

- Languages: Java, Python, C, JavaScript, HTML/CSS, SQL, PHP, C#, 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