

# Matthew Wassel

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## Skills

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**Languages:** Python, Java, C,  
Bash scripting,  
HTML and CSS  
Javascript

**Environments:** Windows,  
Linux  
(Ubuntu and Mint),  
iOS, Android, and  
Raspberry Pi based  
linux flavors

**Programs and  
Packages:** Git, GitHub, Microsoft  
Access, Microsoft  
Office, TensorFlow,  
Theano, Caffe

## Relevant Coursework

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- ▷ Foundations of Programming
- ▷ Data Structures
- ▷ Computer Organization
- ▷ Algorithms and Analysis
- ▷ Internet Services and Protocols
- ▷ Applications of Natural Language Processing
- ▷ Information Systems Analysis and Design

## Education

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**University of North Carolina at Chapel Hill**

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B.S. Computer Science  
B.A. Linguistics  
Minor in Information Systems  
Expected Graduation: May 2017

## Projects

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- ▷ Built a MAME Arcade machine using Raspberry Pi model B+. Gained familiarity with Linux based systems and Raspberry Pi development.
- ▷ Currently Developing an intelligent speech recognition system using TensorFlow. Taught myself Python, the concepts of intelligent agent AI, and neural networks, and the TensorFlow and Theano packages to do so.
- ▷ Developed a Oregon Trail-like Silicon Valley Trail game in Java as a school project
- ▷ Built a Zork-like adventure game in C as a school project
- ▷ Built a Personal Library database in Microsoft Access as a school project

## Activities and Awards

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Organizer for HackNC 2015 | UNC Computer Science Club UNC Game Development Club | Habitat for Humanity volunteer | Undergraduate Art Association

Boy Scouts of America Eagle Scout Award  
AP Scholar | National Honor Society Member