

# Diego H. Gonzalez Alanis

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## EDUCATION

Western Carolina University  
**Bachelor of Science, Computer Science**

Cullowhee, NC  
Graduation December, 2014

## TECHNICAL SKILLS

Computer Languages: Java, Python, MIPS, C, SQL, C++, JavaScript  
Software Tools: Vim, Eclipse, IntelliJ, Git, JSON, Eclipse, Microsoft Office, various other  
Platforms: Windows, Linux  
Frameworks: Django Web Framework  
Other Spoken Languages: Spanish

## SELECTED PROJECTS

### Networking – *Multi-user Chat Client and Server*

- A java application that uses a client-server architecture that allows users to communicate over a network.
- Learned how to implement a client-server architecture as well as becoming familiar with threading.

### Database – *FYH - A clone of the FYE website*

- A project created for a Database class that acted as a clone of the FYE website.
- The website also includes a google maps feature where a user could search for a store.
- Program was written using Python, MySQL, Javascript, HTML5 and CSS.
- Became familiar with MySQL and google maps.

### Capstone – *Pyfighters*

- Designed a cross platform two player fighting game in Python.
- Implemented a client-server network architecture that gives a user the ability to play another user over a network.
- The server uses threads so that each client has its own process and uses JSON to transmit the information over the network.

### Graphics – *Solar System Model*

- Created a graphic model of the Solar System from scratch using OpenGL and C++.
- Used information from NASA to accurately scale up the speed of the planets.

## WORK EXPERIENCE

### Mid-Atlantic Wood Products Inc.

*Temp Worker*

Taylorsville, NC  
Summer 2014

- Worked with a partner to cut sheets of wood to desired specifications.

### ASMO North Carolina Inc.

*Temp Worker*

Statesville, NC  
Summer 2013

- Worked on an assembly line with multiple other workers.

## VOLUNTEER WORK

### Vecinos Inc. Farmworker Health Program

*Translator*

Cullowhee, NC  
2012-2014

- Translated for nurses, physical therapists, and other health care professionals.

### Family Support Network

*Translator*

Cullowhee, NC  
2014

- Translated for the parents of special needs children.

**PROFESSIONAL AFFILIATIONS AND ORGANIZATIONS**

**Latino Appreciation Student Organization**

2013-2014

- Elected president of the organization from Fall 2013 to Spring 2014.
- Helped organize events that promoted Latino culture.

**Association of Computer Machinery**

2013-2014

- Member of the Western Carolina chapter from 2013 to 2014.