Daniel Denenberg

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Employment

Get HIP IT Program. [August 2018 – March 2019]

University of Nebraska at Omaha Cybersecurity Intern. [June 2018 – August 2018]

Alliance Francaise d'Omaha fundraiser performer. [November 2018]

Alliance Francaise d'Omaha fundraiser performer. [August 2017]

Education

Friedel Jewish Academy. [2008 – 2014]

Brownell Talbot. [2014 – 2016]

Interlochen Arts Camp, Interlochen Center for the Arts, Interlochen, Michigan. Musical Theater Program. [July 2015]

Omaha Central High School. GPA: 4.9048. Class Rank: 1. Percentile: 99.85% [2016 – present]

- Honors Java 1-2. Grade: 5.0

- AP Computer Science. Grade: 5.0

- Honors Pre-Calculus/Trigonometry. Grade: 5.0

Accolades

Modern Woodmen of America National Speech Contest 1st Place winner. 93,000 participants. [2015]

University of Nebraska at Omaha CSEdWeek Programming Contest. 3rd Place Winner. [2018]

Modern Woodmen of America Nebraska State Speech Contest 1ˢᵗ Place winner. [2015]

Modern Woodmen of America Nebraska State Speech Contest 1ˢᵗ Place winner. [2014]

Theater Awards

Theatre Arts Guild Omaha awards:

Outstanding Youth Actor, Jem Finch, *To Kill a Mockingbird.* [2016-2017]

Outstanding Youth Actor, Noah, *Caroline or Change.* [2015-2016]

(also nominated for Outstanding Youth Actor, Colin, *Secret Garden.* [2014-2015])

Outstanding Youth Actor, Ralphie, *A Christmas Story.* [2014-2015]

Outstanding Performance by an Ensemble, *Les Misérables.* [2013-2014]

Omaha Community Playhouse awards

Charles Jones Director's Award. [2016]

Outstanding Youth Award, Jem Finch, *To Kill a Mockingbird.* [2017]

Omaha Arts and Entertainment Awards

Best Youth Performance, *Caroline or Change.* [2015-2016]

Notable Projects

Starlight. https://github.com/dannydenenberg/Starlite. A google-home type helper using a Raspberry Pi and a Display for visual voice commands.

- Programmed using Python.

- I worked on this project during my time at the *Get HIP IT Program.*

- I implemented effective speech to text techniques using Google Cloud.

- I trained convolutional neural networks on user's faces as a form of login/identification.

- I created responsive voice commands such as weather, searching Google, searching YouTube, and emailing others as well as responding to insults or an unknown phrase.

Go-Game. https://github.com/dannydenenberg/go-game. A space-shooters game.

- Programmed using Golang from scratch.

- I was able to use SDL2 with the Go programming language to render graphics.

- I implemented realistic physics with multiple character classes such as enemy characters, players, and bullets.

BigInt. https://github.com/dannydenenberg/BigInt. An easy to use big integer library.

- Programmed with Java.

- Built on top of the java.math.BigInteger class.

- Allows for easier initialization, calculations, and changing of the BigInt object itself as opposed to the tedious methods built into the java.math.BigInteger class.

Publications

The Perceptron: What is it? https://denenberg.us/2019/01/21/the-perceptron-what-is-it/ [2019]

Setting up an Apache server on a Raspberry Pi. https://denenberg.us/2019/01/19/setting-up-an-apache-server-on-a-raspberry-pi/ [2019]