

Michael Nathan Garcia

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Education

Bachelors of Arts in Computer Science

New Mexico State University (NMSU)

May 2020

Las Cruces, New Mexico

Associate of Arts in Computer Science

El Paso Community College (EPCC)

May 2016

El Paso, Texas

Courses

Architectural Concepts, Calculus I & II, Compilers & Automata, Discrete Mathematics for Computer Science, Database Management, Data Structures and Algorithms, Digital Game Design, Engineering Physics, Java Programming, Machine Programming, Matrix Theory & Applied Linear Algebra, Numerical Methods, Operating Systems, Object Oriented Programming, Programming Language Structure, Software Development, Statistical Applications, User Interface Design.

Technical Skills

Proficient: C, C++, C#, CSS, Java, JavaScript, HTML, SQL, LaTeX.

Familiarity: Ada, Fortran, LEX, Lisp, Prolog, Perl, PHP, Python, Visual Basic, YACC.

Work Experience

Geek Squad Advanced Repair Agent & Sales Consultant: All Departments+ November 2017 - Present

Best Buy (Store: 1459, 237, 801) San Antonio, Texas; El Paso, Texas; and Las Cruces, New Mexico

- Directly responsible for the diagnosing and repair of both computer hardware and software issues. Works in a group environment that requires detailed notes for accountability and productivity. Makes recommendations for best solution possible dependant on clients needs or wants.
- Customer facing associate responsible for sales and product knowledge. My desire for knowledge and competence led me to learn all of the sales floor departments and beyond. Although I was assigned a specific department, I went wherever I was needed. Every year of my employment I was given the highest evaluation score possible.

Web Developer & Research Assistant

January 2019 - December 2019

New Mexico State University

Las Cruces, New Mexico

- Website Development for CHI 2019: Under William A. Hamilton, Ph.D., associate professor at NMSU, and stream chair for CHI 2019, our task was to live stream the talks at CHI (Computer Human Interaction) 2019. The group was tasked with creating a web page that would host up to 16 concurrent rooms to be live streamed on the CHI website that utilized a Word Press frame work. Responsible for both front end and back end web development. Assisted in the maintenance, repairs, and execution of website at the conference.
- YouTube Extension: Helped with the development of a Website extension to scrape content creators metadata on YouTube to understand their demonetization and recommendation policies and their effects on online discourse. Assisted in asset creation and code for the extension. Built custom PC's for project use.

Sales Floor Associate: All Departments+

October 2012 - July 2017

Sam's Club (Store 8280 and 8217)

El Paso, Texas and Houston, Texas

- Responsible for product stock, staff training, sales, productivity, and team management. Recognized as Employee of the month. Every year of my employment I was given the highest evaluation score possible.

Projects

C-like Language Compiler

Spring 2018

- Created a compiler utilizing LEX, YACC, and C that utilized extended BNF. Compiled a basic language that handled arrays, conditionals, and function calls. Additionally, function calls could handle data structure as arguments.

Database Management & Analysis Web Tool

Fall 2018

- Worked as a team to create a database schema with a web interface for querying. Built using a LAMP stack. Developed both front and back end database. Web Interface to handle database queries.

Lightning Game

Fall 2018

- Charged with creating a functional lightweight game under a week development time. Created a tower defense game utilizing JavaFX. Demo available on Website.