

# Henry A. Maldonado

Middletown, New York 10940 | (845) 283 1233 | **Email:** [hmaldonah@gmail.com](mailto:hmaldonah@gmail.com)

**Portfolio:** [hmaldonah.github.io](https://hmaldonah.github.io)

**Github:** <https://github.com/hmaldonah/>

**LinkedIn:** <https://www.linkedin.com/hmaldonah>

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## EDUCATION

### Orange County Community College - Middletown, NY

August 2015-June 2017

Associate of Science in Mathematics

*Award:* Mathematics Academic Achievement

*Relevant Coursework:*

Pre-Calc | Calculus I | Calculus II | Calculus III | Linear Algebra | Statistics | Discrete Mathematics | Physics with Calculus

### SUNY New Paltz - New Paltz, New York

August 2018-December 2021

Bachelor of Science in Computer Science

*GPA:* 3.76, Fall 2021

*Relevant Coursework:*

Computer Science I | Computer Science II | Computer Science III | Software Engineering | Discrete & Continuous Computer Algorithms | Discrete Math for Programming | Cyber Security | Assembly Language & Computer Architecture | Language Processing | Intro to Data Science | Digital Logic | Dynamic Programming | Web Page Design | Projects

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## SKILLS

- Proficient in Java, Javascript, HTML/CSS.
- Competent in MongoDB, PHP, and SQL
- Git / Github, Vue.js

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## WORK EXPERIENCE

### A&K Food Systems

May 2015-February 2018

- Maintained a head wait position to finance my education in Mathematics
- Gained experience in fulfilling customer requests and working in a fast-paced environment
- Familiar with the organizational skills necessary to adhere quality service under pressure

### Fidanza Family Properties

March 2018-Present

- Gained leadership qualities in hospitality while furthering my education.
- While assuming a team-lead service position I supported a friendly and functional work environment, and maintained numerous responsibilities
- Duties include maintaining healthy peer relationships, training team members on POS computer systems, overseeing end of day reports, and addressing customer concerns

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## PROJECTS

### Planets Knowledge-base Application

- Android app that displays information on all the planets with an interactive U.I and quiz
- Gained knowledge using an intuitive visual programming environment (MIT App Inventor)
- gained experience in different programming fundamentals. (If statements, loops, variables, breaks)

### Unreal Engine Inventory Component

- Inventory system created as part of a group game development project using Unreal Engine blueprints
- 3D player character can interact with certain items/pick up/add to inventory HUD
- Duplicate items are created by using a Stack data structure.
- Experience creating user HUD and using unreal engine tools.
- [www.github.com/UnrealEngineGameInventory](https://www.github.com/UnrealEngineGameInventory)

### Exercise Web Application

- Web application final project designed as an exercise social media platform.
- Users can create an account, login, edit their profile, and share exercise data.
- Created using HTML/CSS, Vue, Node.js, Express, MongoDB.
- <https://github.com/hmaldonah/ExerciseApp>
- App was created based on class repository worked on with professors guidance (<https://github.com/hmaldonah/Fall2021>)

### Plants Knowledge-base

- Allows a user to search for a medicinal plant based on what they type into the search bar.
  - Experience working cooperatively with a peer utilizing git
  - Displays results from a Webcrawler and PDF document scanner.
  - HTML/CSS, Bulma, Font-Awesome (Front-End). PHP, Python, SQL (Back-End).
  - <https://github.com/hmaldonah/ProjectsAssignment>
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