

# SAMANTHA DELORENZO

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## EDUCATION

### Stevens Institute of Technology, Hoboken, NJ

Bachelor of Science in Computer Science, Expected May 2020

GPA: 3.4/4.0

**Coursework:** Data Structures, Algorithms, Discrete Structures, Automata & Computation, Database Management, Systems Programming, Web Programming & Development, Software Development, Computer Organization & Programming, Project Management, Probability & Statistics

## SKILLS

**Programming Languages:** HTML (5 years), CSS (5 years), Python (4 years), C++ (3 years), C (Intermediate), Java (Intermediate), Scheme (Intermediate), MySQL (Intermediate), Javascript (Novice), C# (Novice), Assembly (Novice)

**Software Development:** Agile, Amazon Web Services, Eclipse, Visual Studio, Xcode, Remote Desktop, VirtualBox, Xamarin Studio, Microsoft Office, Game Maker Studio, Arduino, Github, DrRacket, Unity, MySQLWorkbench, SQLyog, RPG Maker MV

**Operating Systems:** OS X, Windows, Raspbian, Ubuntu, Kali Linux

## WORK EXPERIENCE

### MBSData, LLC

*Intern*

**Paramus, New Jersey**

June 2018 - August 2018

- Utilized Amazon Web Services to create virtual machines running Windows Server 2008
- Transferred programs, directories, and files from company local machines to machines running in the AWS cloud
- Used AWS databases and *MySQL* to recreate the company's website databases in the AWS cloud

### Stevens Institute of Technology Software Engineering Department

*Research Assistant*

**Hoboken, New Jersey**

June 2017 - August 2017

- Implemented a Raspberry Pi with *Python* scripts and sensors to read environmental data and redefine on campus spaces
- Sent data to a *MySQL* Database centralized on a Mac Mini server
- Utilized Solidworks and MakerBot to design and 3D print a case to house the Raspberry Pi and sensors
- Designed the GUI for a mobile application in Xamarin Studio to track and display sensor readings
- Constructed and submitted a research paper called *Smarter Spaces, Smarter Campus* to the IEEE UEMCON 2017

### Ontash & Ermac Engineering

*Intern*

**River Edge, New Jersey**

February 2016 - June 2016

- Created an engineering design project proposal with schematics, constraints, materials, and flow charts for a motion controlled robot
- Constructed, wired, and implemented Arduino and Adafruit *C++* software and hardware with professional computer engineers to develop the robot
- Utilized sketching, calculations, and CAD in designing the robot

## ACTIVITIES & HACKATHONS

### Google Games

*Participant & Team Captain*

**New York City, New York**

April 2017, April 2018

- Worked with other team members to solve complex coding challenges and logic puzzles using knowledge of Data Structures, Algorithms, Discrete Structures, Probability & Statistics, *C++*, and *Python*
- Competed against 30 other teams from technology universities located in the tri-state area and placed in the top 50th percentile

### Stevens Game Development Club

*Member*

**Hoboken, New Jersey**

September 2016 - Present

*Secretary*

January 2018 - May 2018

- Created 2D and 3D video games using Game Maker Studio, Unity with *C#*, and RPG Maker for club Game Jams
- Awarded third place for the SGDC Summer Jam 2017 and Best Use of Theme for the SGDC Spring Game Jam B 2018

### Stevens Institute of Technology Venture Hacks Hackathon

*Participant & Award Winner*

**Hoboken, New Jersey**

October 2016

- Created a website using *HTML*, *CSS*, and *Javascript* with a forum for college students to give their opinions on different colleges for high school students
- Awarded Best Creativity & Innovation out of 30 students

## ADDITIONAL INFORMATION

**Clubs:** Stevens Computer Science Club, Stevens Women in Computer Science

**Publications:** "Smarter Spaces, Smarter Campus" accepted at IEEE UEMCON 2017 & published in the IEEE Xplore Digital Library