

# Sami Ellougani

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## EDUCATION

### MARIST COLLEGE

#### B.S. IN COMPUTER SCIENCE

Expected May 2018

Overall GPA: 3.4

## SKILLS

### LANGUAGES

- Python
- Java
- SQL
- JavaScript/Node.js
- TypeScript
- C++
- PHP
- HTML5+CSS3

### FRAMEWORKS/LIBRARIES

- Express
- AngularJS
- Mongoose
- Swing
- SFML

### SOFTWARE

- Microsoft SQL Server
- MongoDB
- EasyPHP
- MySQL
- Microsoft Access

### ENVIRONMENTS

- Linux
- Windows
- Web

### TOOLS

- Eclipse
- Git and Github
- Cloud9
- Vim
- Gulp

## COURSEWORK

Software Development I & II

Software Systems and Analysis

Database Management

System Design

Game Design and Programming I & II

z/OS & Major Subsystems

Theory of Programming Languages

Operating Systems

UNIX

## EXPERIENCE

### SOFTWARE DEVELOPER - INTERN | USAA

May 2016 - Current | San Antonio, TX

- Built Java server side logic to be integrated with user-facing elements developed by front-end developers
- Contributed creative ideas and insight for improving usability and efficiency of infrastructure web tools

### FULL STACK JAVASCRIPT DEVELOPER | CLOUD COMPUTING AND

ANALYTICS CENTER AT MARIST COLLEGE

December 2016 - May 2016 | Poughkeepsie, NY

- Created a project that uses a combination of client and server side agile software development on the MEAN stack
- Utilized knowledge of database concepts, system design principles, and software change control management (e.g., Git)
- Worked independently, as well as collaboratively, in a team including the customer

### PROGRAMMING LAB TUTOR | SCHOOL OF COMPUTER SCIENCE AND

MATHEMATICS AT MARIST COLLEGE

September 2016 - December 2016 | Poughkeepsie, NY

- Assisted underclassmen students in the development of programming skills and best coding practices
- Programming languages used to tutor students were Python, JavaScript, Java, SQL, PHP, and HTML5+CSS3

### DATABASE ADMINISTRATOR - INTERN | EXPRESS SCRIPTS

May 2016 - August 2016 | Franklin Lakes, NJ

- Developed queries and stored procedures to support reporting metrics for management
- Supported database migration with backup and restore routines, recreating SQL Server logins, and executing post-migration maintenance
- Identified active databases by monitoring connections and processes, validating the last date files were modified, and reviewing error logs

## PROJECTS

### 6502 WEB-BASED OPERATING SYSTEM

September-December 2016 | [github.com/sami10015/TS-OperatingSystem](https://github.com/sami10015/TS-OperatingSystem)

- Created an Operating System simulation using basic OS architecture and 6502 operation codes
- Visuals created with HTML5+CSS3 and back-end functionality was implemented with TypeScript

### NO-STAIRS

September-December 2016 | [github.com/sami10015/No-Stairs](https://github.com/sami10015/No-Stairs)

- Wrote and built an event-driven game that utilizes the C++ language, and SFML library

### TWITTER CLONE

July-August 2016 | [github.com/sami10015/pyp-w4-gw-twitter-clone](https://github.com/sami10015/pyp-w4-gw-twitter-clone)

- Programmed in Python as a RESTful API web service, utilizing SQLite as a backend, and provides authentic visuals using the Bootstrap framework

## ACTIVITIES

### Collegiate Division 1 Cross Country / Track & Field Team

Current | Metro Atlantic Athletic Conference All-Academic Team