

# MATTHEW A. SWENTZEL

Cell: (973) 945-5020

E-Mail: [matthew.swentzel@gmail.com](mailto:matthew.swentzel@gmail.com)

<https://www.linkedin.com/in/matthew-swentzel4887/>

## EDUCATION

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### Stevens Institute of Technology

Bachelor of Science in Computer Science

May 2019 Graduate

**GPA:** 3.54 Degree with Honors

## SKILLS

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**Languages:** Java, Python, C++, C, Scheme, XML, R

**Software:** Github, Eclipse, Android Studio

**Web Technologies:** JavaScript, HTML5, CSS, SQL

**Certifications:** 2019 CPR Certified

## EMPLOYMENT

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### Stevens Institute of Technology

05/2017 – 05/2019

Hoboken, NJ

*Research Assistant*

- Created an application utilizing the agile method under the supervision of a software engineering professor
- Developed an event planning application that connected to Facebook for login and used Firebase allowing one user to invite another user
- Programmed various applications using Java and XML that included creating a weather tracker and a virtual boarding pass

### Sussex County Concrete

Summers 2012 - 2016

Sparta, NJ

*Quant Analyst / Foreman / Laborer*

- Priced projects, developed proposals, performed various manual labor
- Assigned leadership and managed job sites with up to 10 people present

## PROJECTS

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### GEDCOM File Parser

09/2018 – 12/2018

Hoboken, NJ

*Team Leader*

- Created an application following the agile method using Python that parsed through GEDCOM files
- Utilized SQLite to pull and push family data from GEDCOM files

### Smart Home Project

02/2017 – 05/2017

Hoboken, NJ

*Intelligent Home Team Member*

- Led and collaborated with a team to create a simulation of an Intelligent Home on an Arduino Uno
- Developed a program that sent notifications to iPhones when a deadline is due

### Movie Review Site

04/2018 – 05/2018

Hoboken, NJ

*Movie Database Team Member*

- Developed a website to review films utilizing HTML5, CSS, and JavaScript
- Created a movie database utilizing MongoDB to store user submitted movies

## COURSEWORK

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Web Programming and Web Development, Discrete Structures, Data Structures, Software Development Process, Algorithms, Systems Programming, Concurrent Programming, Operating Systems, Agile Methods of Software Development, Database Management Systems, Microeconomics, Macroeconomics, Project Management

## ACTIVITIES

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Computer & Console Gaming Society, Stevens Game Development Club, Stevens Mountaineering Club