**Justin Almendral**

325 East Dudley, Avenue, Westfield, NJ 07090 | jalmendral24@gmail.com | (201) 961-3196 | linkedin.com/in/justinalmendral

**EDUCATION**

**Northeastern University, College of Engineering -** *Boston, MA* **Expected Dec 2023**

*Candidate for Bachelor of Science in Computer Engineering |* **GPA:** 3.91

**Relevant Coursework:** Discrete Structures, Calculus 3 for Engineers, Differential Equations, Cornerstone of Engineering

**Union County Magnet High School -** *Scotch Plains, NJ* **Sept 2015 - June 2019**

*High School Diploma, Engineering |* **GPA:** 3.97 (Unweighted), 4.57 (Weighted)

**Relevant Coursework:** AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics, AP Calculus BC

**SKILLS AND INTERESTS**

**Applications:** Solidworks, Onshape, AutoCAD, Microsoft Office, G Suite, Fusion360

**Programming Languages:** Python, C++, JavaScript, Java

**Research Interests:** Robotics, Human-Computer Interaction

**WORK EXPERIENCE**

**Picatinny Arsenal -** *Wharton, NJ* **June 2020 – Aug 2020**

*College Qualified Leaders Apprenticeship*

* Conducted testing of pre-release version of open-combat virtual open-architecture vehicle game
* Worked closely with Army game developers to provide feedback on bugs and improvements

**Grotto Engineering –** *Cranford, NJ* **Jan 2019 – June 2019**

*Student Intern*

* Determined measurements and calculations for the implementation of swales on sites to manage rainwater
* Conducted research and compiled materials for firm presentations to client and associates for ongoing projects
* Calculate dimensions using Civil3D and AutoCAD to determine future planned construction projects
* Extrapolated data from past quotes to create formulas for determining pricing for road improvements

**LEADERSHIP EXPERIENCE**

***FIRST* Robotics Competition Team 1257 -** *Scotch Plains, NJ* **Sept 2015 - June 2019**

*Media Captain (May 2017 - June 2019)*

* Led and directed upkeep of social media and photographic documentation for 4 years with over 500 followers

**Boy Scouts of America Troop 73 -** *Westfield, NJ* **Sept 2013 - May 2019**

*Assistant Senior Patrol Leader (Oct 2017 – June 2019), Scribe (Sept 2016 – June 2017), Eagle Scout (May 2019)*

* Spearheaded 324 man-hour Eagle project to create historical photo database and curate exhibit for Drake House Museum
* Designed and passed down database using Microsoft Excel for the tracking of meeting attendance and patrol points
* Worked one-on-one with scouts to provide guidance and authenticate skills for the completion of rank requirements
* Communicated with and worked as a liaison between Senior Patrol Leader and Patrol Leaders to run meetings and trips

**AWARDS, HONORS, AND CERTIFICATIONS**

**Education:**Dean’s List (Spring 2020), National Honor Society (2019, 2018), National Merit Letter of Commendation (2019)

**Professional:** Autodesk Certified User (AutoCAD), NOCTI Pre-Engineering/Engineering Technology

**Leadership:** Boy Scouts of America – (Eagle Scout – May 2019, National Youth Leadership Training - Aug 2017)

**COMMUNITY SERVICE & VOLUNTEER WORK**

**EVKids –** *Boston, MA* **Sept 2019 – Present**

*Student Volunteer*

* Providing weekly one-on-one tutoring to a 3rd grade student in reading and mathematics to improve academic performance

**SNAP|SOCIAL Research Laboratory -** *Boston, MA* **Jan 2020 – March 2020**

*Volunteer Research Assistant*

* Cleaned and compiled over 2,800 logs of digital communication messages for analysis of indicators of domestic violence

**Roxbury Robotics –** *Boston, MA* **Sept 2019 - Nov 2019**

*Student Volunteer*

* Supervised and guided children aged 11 – 16 with the assembly and programming of Lego Mindstorms