

Salvatore Cordaro

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Education

New Jersey Institute of Technology (Albert Dorman Honors College): Newark, NJ

Major: B.S. in Computational Mathematics – **Concentration:** Computer Science

GPA: 3.80 – **Expected Graduation:** May 2019

Relevant Coursework: Machine Learning (Coursera) – Advanced Numerical Methods – Statistical Methods – Computing in Python – Computer Science in Java – Linear Algebra – Numerical Linear Algebra

Work & Research Experience

Prudential Financial – Technology Intern

June 2018 – Present

- Designed an upcoming Chatbot for Pramerica Services. The Chatbot will be used to enable Business Partners in Prudential to understand and utilize Pramerica's services.
- Helped drive the design of the Pramerica Information Hub in SharePoint. The site will be used to provide information regarding upcoming executive trips with business units in Prudential.
- Executed a data analysis/data visualization project with data collected from the Information Hub regarding operational updates in executive meetings.

New Jersey Institute of Technology – EXTREEMS-QED Researcher

December 2016 – December 2017

- Created algorithms, using MATLAB and various forms of Gaussian Quadrature, for numerical boundary integral methods to eventually solve the Single Layer Potential equation.
- Improving methods to reduce errors, giving a more accurate method for solving the equation numerically. Fulfilling the objective to eliminate a singularity which occurs when attempting to solve this equation with the maximum accuracy that MATLAB allows.
- Met milestones through presenting biweekly findings and suggested improvements to the Math Department that were made to the research and the code.
- Created a research paper on research and findings using Latex programming software.
- Published findings in the *Book of Abstracts* for the Tenth International Undergraduate Summer Research Symposium.

Leadership and Service

Treasurer of Tau Delta Phi Fraternity

May 2018 – Present

- Managing all finances of the Tau Delta Phi Fraternity, including budgeting for upcoming events, enforcing the payment of dues and rent, and bookkeeping.
- Decision maker and Member of the fraternity's Executive Board.
- Lead Fundraiser for Active Minds Organization. Tau Delta Phi fraternity is tied to Active Minds, which is an organization that specializes in student mental health awareness.

STEM Mentor at Camden Elementary School, Newark

September 2016 – January 2018

- Volunteered regularly at the After School All Stars program at Camden Elementary School.
- Tutored children from the ages of six to twelve in all subjects in school, mainly focusing on science and mathematics.
- Acted as a mentor to children that are less fortunate and in need of guidance and educational help.

Specialized Skills

Programming Languages:

- Coding in MATLAB, Python, Java, R Studio, SQL

Software Tools:

- Latex, Microsoft Office, Power BI, SharePoint

Other Skills:

- Problem Solving, Critical Thinking, Adaptability, Organization, Teamwork, Leadership, Public Speaking