Delaney Scheiern

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Education

Colgate University, Hamilton, NY May 2021
Bachelor of Arts, Computer Science and Applied Mathematics *CS GPA: 3.91, Applied Math GPA: 3.41, Overall GPA: 3.47*
- Dean's Award for Academic Excellence with Distinction (Fall 2018, Spring 2019), Dean's Award (Spring 2018)
- **Coursework:** Data Structures, Computer Organization and Design, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Number Theory, Computational Math, Math Modeling, Differential Equations

Troy High School, Fullerton, CA May 2017
Full International Baccalaureate and Troy Tech Program Diplomas *Cumulative GPA: 4.7/4.0*
- Composed a research paper on quantum computing and data security to complete IB Diploma
- Learned how to implement the software development life cycle through AP and IB Computer Science courses

Experience

Sandia National Laboratories, Albuquerque, NM, *Technical Intern* May 2019-August 2019
Active Security Clearance
- Develop user interface using PyQt5 Python library to support analysis of multi-agent NAVSEA power system
- Improve dynamic loading feature to support various Secure Scalable Microgrid (SSM) configurations
- Implement Python script with interface to GIS software to automate processing, displaying, and analyzing data on a map

<Colgate Coders> Club, *Colgate University* August 2017-Present
- Gain industry experience through collaborative workshops and guest speakers to create a mutual learning experience
- Develop new programming skills and interact with the technology community during Hackathons

Help for Brain Injured Children, Inc., La Habra, CA, *Technical Intern* May 2016-July 2016
- Implemented virtual tour of campus using self-taught CAD software skills to create a 3-D model to attract prospective families
- Collaborated with supervisors to develop app through the software development life cycle to improve children's skills
- Integrated technology and business by creating a budget on Excel and creating PowerPoint presentations

Technical Skills

Programming Languages: Advanced- Java, Python, MATLAB; Intermediate- HTML, CSS, Git; Novice- JavaScript, XML
Projects:
- **Personal Website-** Developed personal website (dscheiern.github.io) using HTML, CSS, and JavaScript and managed versions using Git to enhance web development skills
- **Movie Madness-** Constructed a Graph ADT in Java with actor and movie data from a text file and used a breadth first search algorithm to find the shortest path between two movies or actors entered by the user

Organizations:
- Rewriting the Code (RTC) Member and Fellow June 2018-Present
- IAENG Societies of Artificial Intelligence, Computer Science, and Software Engineering January 2018-Present
- National Center for Women in IT (NCWIT), Aspirations in Computing Award April 2017-Present
- ProjectCSGirls Competition Mentor February 2018-June 2018

Leadership and Activities

Rewriting the Code, *Fellow* August 2019-July 2020
- Selected for exclusive, nation-wide fellowship for female undergraduates dedicated to empowering women in the tech industry
- Attend regular webinars and conferences to learn about new technologies, technical career path guidance, and personal skill development from industry leaders

Colgate Cheerleading Team, *Colgate University* August 2017-Present
- Led team as captain during team's first NCAA March Madness tournament travel and game experience
- Attend multiple practices per week as well as all home football, women's basketball, and men's basketball games to support university athletic teams
- Participate in community outreach events such as clinics and face painting to foster a sense of community

Varsity Cheerleading Captain, *Troy High School* April 2016-May 2017
- Led team of 40 members to attend multiple sporting events per week, perform at rallies, and participate in community service events positively representing the school to the community
- Collaborated with booster club members to organize fundraising events by providing the student perspective which led to a 50% increase in donations from the previous year