

# 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, Fall 2019)
- **Coursework:** Numerical Analysis, Real Analysis, Computer Organization and Design, Operating Systems, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Computational Math, Math Modeling, Differential Equations

### University of Wollongong, Wollongong, NSW, Australia

February 2020-June 2020

- **Coursework:** Machine Learning Algorithms & Applications, Statistical Learning, Cryptography

### 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

*Security Clearance*

- Developed user interface using PyQt5 Python library to support analysis of multi-agent NAVSEA power system
- Improved dynamic loading feature to support various Secure Scalable Microgrid (SSM) configurations
- Implemented Python script with interface to GIS software to automate processing, displaying, and analyzing of 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, R; Intermediate- C, HTML, CSS, Git; Novice- JavaScript, XML  
**Projects:**

- **Comparative analysis of dimensionality reduction methods-** Implemented PCA, KPCA, LLE, and Autoencoders in Python using scikit-learn, TensorFlow, Pandas, and matplotlib libraries. Produced report using LaTeX
- **Personal Website-** Developed personal website (dscheiern.github.io) using HTML, CSS, and JavaScript and managed versions using Git to enhance web development skills
- **App Profitability-** Cleaned and analyzed over 10000 data points from Apple Store and Google Play Store data sets from Kaggle using Python to predict types and genres of applications that would be most profitable for a company to develop

**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-Present

- 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 Captain, Colgate University

August 2017-Present

- Led team as captain during team's first NCAA March Madness tournament travel and game experience
- Attend and lead 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