

# Jasmin Lim

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<https://github.com/jasminyl/Portfolio>

## EDUCATION

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### **The University of Texas at Austin    May 2020**

*Bachelor of Science in Computational Engineering, Elements of Computing Certificate*

- GPA: 3.78/4.00
- Use and apply engineering fundamental concepts to create computerized mathematical models that provide modeling and simulation to solve engineering design problems.
- Technical Coursework: Software Engineering and Design, Computational Fluid Dynamics, Scientific Programming, Thermodynamics, Differential Equations and Linear Algebra, Low Speed Aerodynamics

## ACADEMIC EXPERIENCE

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### **Introduction to Scientific Programming Final Project**

*Simulation of the Spread of an Infectious Disease*

- Using C++, created a program that randomly infected an individual in a population and used concepts of probability to determine whether the infection was spread by simulating random interactions.
- Translated information into visual representation using MATLAB color graphs based on scaled values outputted from the simulation program.

### **Engineering Graphic and Design Semester Project**

*The Reverse Engineering of a Ratchet Pepper Grinder*

- Collaborated with group project members to deconstruct and analyze the parts and sub-systems of a ratchet pepper grinder's mechanical system.
- Digitally reconstructed a 3D model of the product using SolidWorks.
- Presented a proposal that contained five suggestions for the product's improvement.

## EXPERIENCE

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### **Delta Chapter of Alpha Delta Pi    December 2018-Present**

*Panhellenic Delegate*

- Serve as a liaison between Alpha Delta Pi Sorority and the University Panhellenic Council.
- Advocate and promote chapter involvement in Panhellenic activities.

### **The University of Texas Department of Aerospace Engineering    May 2018-Present**

*Peer Academic Advisor, Lead Peer Advisor for Computational Engineering*

- Serve as a volunteer resource to provide information and advise on coursework and registration to students.
- Ambassador for the department by leading tours and information sessions for prospective students

### **Lifetime Athletic    December 2015 - Present**

*Kids Activities Supervisor*

- Maintain operations files for corporate audits, help create a schedule with over 40 team members. Work with parents and administration to address concerns about facility policies and rules. Train new employees.
- Certified CPR instructor to train new employees.

## HONORS & ACTIVITIES

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**University Honors    Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018**

**Executive Board Member, Alpha Delta Pi Sorority    2019**

**Member, Association of Computational Engineers    Fall 2018 - Present**

**Member, University of Texas Gateway Scholars Program    Fall 2016 - Present**

**Member, University of Texas Cheer (All-Girl Team)    2016-2017**

## SKILLS

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**Computer Languages:** C++, Python, MATLAB

**Experience With:** Microsoft Office, Solidworks, Linux, Markdown, Git, Fortran

**American Red Cross CPR, AED & First Aid Certification Instructor**