

# Cherié Francis

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## EDUCATION

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**Stanford University, Stanford, CA, USA | Expected Graduation Date: June 2023**

Prospective B.S. in Mechanical Engineering with a concentration in Product Realization

**Relevant Coursework:** Soft Robots for Humanity, Foundations of Product Realization, Design for Additive Manufacturing, Programming Methodology (Python), Programming Abstractions (C++), Physics (Mechanics, Electricity, Light and Heat), Linear Algebra, Differential Equations, Probability & Statistics for Engineers, Mechanics of Materials, Thermodynamics, Heat Transfer, Computational Engineering, Fluids Engineering, Product Realization: Design and Making

## SKILL AND INTERESTS

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**Technical:** MATLAB, Fusion360 (CAD), Python, C++, HTML, CSS, Microsoft Office, Google G-Suite, GitHub, Adobe Illustrator, Adobe Workfront, Ansys Discovery, SketchUp, Procreate, 3D Printing, Laser Cutting, Sandcasting

**Additional Skills:** Written & Verbal Communication, Design, Social Media, Advertisement

**Languages:** Native English, Intermediate conversational and written Spanish, Basic conversational Korean

**Interests:** Product Design, Sustainability, Foreign Languages, Robotics, Programming

## WORK EXPERIENCE

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06/2022-08/2022: **Development Program Management Intern**, *Mattel Inc.*, El Segundo, CA

- Co-led a team to develop a robot arm designed to automate a manual assembly process
- Utilised Workfront to re-design an approval process through leveraging the application's capabilities
- Improved upon an internal issue escalation process using Microsoft Excel
- Worked in a cross-functional team to develop a new product based on a provided prompt over a 2-day period

10/2021-03/2022: **Math Grader**, *Stanford University*, Stanford, CA

- Created a grading rubric based on solutions to assigned problems for Stanford University undergraduate calculus courses
- Graded over 200 students' problem set solutions according to the rubric created in a timely manner

06/2021-08/2021: **Undergraduate Research Assistant**, *Stanford SHAPE Lab*, Stanford, CA

- Utilised Fusion360 to design a 3d printed haptic wheel and programmed it to turn to different user-specified angles using Arduino under mentorship of a PHD student

01/2021-06-2021: **Assistant Designer**, *Skyview Estates*, St. Elizabeth, Jamaica

- Aided in designing exterior aspects of houses as well as access points for a residential housing scheme
- Regularly organized meetings with colleagues in order to ensure that the designs made match their vision for the scheme then made alterations if necessary

03/2020-08/2020: **Administrative & Marketing Coordinator**, *BEAM Stanford Career Education*, Stanford, CA

- Approved employers on Handshake (a job application platform)
- Conducted research on companies to ensure they are professional, reliable organizations for potential employees

## ADDITIONAL EXPERIENCE

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03/2020-Present: **Advertisement & Design Chair, Social Media Liaison**, *Stanford Lion Dance*, Stanford, CA

- Design flyers and compose entertaining emails for club meetings and events that will encourage students to attend
- Formulate ideas for Lion Dance events alongside other executive body members that will keep students as engaged and enthusiastic as possible
- Manage the club's social media account

## EXTRACURRICULAR ACTIVITIES

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<b>Stanford Women in Engineering</b>	10/2022-Present
<b>Stanford Women in Design</b>	10/2022-Present
<b>Stanford Undergraduates in Mechanical Engineering (SUME)</b>	10/2020-Present
<b>Students for a Sustainable Stanford (SSS)</b>	10/2020-Present
<b>Stanford Lion Dance</b>	01/2020-Present
<b>Stanford Caribbean Students Association</b>	10/2019-Present
<b>Black Youth Teams Engineering Success (BYTES)</b>	10/2019-Present