

Cherié Francis

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EDUCATION

Stanford University, Stanford, CA, USA | Expected Graduation Date: June 2023/2024

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

M.S. in Mechanical Engineering with a concentration in Design

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

SKILL AND INTERESTS

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

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

Interests: Product Design, Sustainability, Programming, Foreign Languages

WORK EXPERIENCE

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 Estate*, 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 to ensure that the designs made matched 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

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