

Nigel Nicholas Chew

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Portfolio: <https://nigelnicholaschew.weebly.com/> | <https://www.linkedin.com/in/nigel-nicholas-chew/>

PROFILE

Recent graduate with a background in Mechanical Engineering and User-Centered Design. Multilingual storyteller with a global outlook seeking opportunities to create memorable themed experiences.

Interests: Cartoons, Theatre, Linguistics

Languages: French, Chinese, Spanish, Russian

SKILLS

Software:

SolidWorks, Rhino 3D, AutoCAD, Siemens NX, Revit, SketchUp, MATLAB, Python, Microsoft Office

Technical:

Design Sketching, Lighting Design & Theatrical Production, Stage Management, Scenic Design, Rapid Prototyping, Machining, Technical Drafting

PROJECTS



Shedd Aquarium Gardens Experience

Project Manager of 40-person team for seven month-long project to reimagine and redesign Shedd's outdoor garden spaces

Kohl Children's Museum Exhibit Refresh

Project Manager of six month-long design project to redesign dated children's exhibit

ISU Ride Engineering Competition 2022

Project Manager of 20-person engineering team to design and construct a functioning 1:50 scale ride model; team placed 5th

Shirley Ryan AbilityLab Assistive Devices

Design and construction of one-arm assistive baking tool and adaptive video game module controlled using one foot

Theme Park Design Competitions

Swamp Thrills '22 (1st place), OSU 21' (1st place), UCSD Haunt '21 (Best Presentation)

EDUCATION

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, DESIGN CERTIFICATE Northwestern University, Evanston IL

June 2022

GPA: 3.801/4.00

Pi Tau Sigma (International Mechanical Engineering Honors Society)

Related Coursework: Machine Design, Mechanics of Materials, Stress Analysis, Dynamic Systems, Manufacturing Processes, Advanced Design Sketching, Electronics Design, Service Design, Scenic Design

EXPERIENCE

PROJECT MANAGEMENT INTERN

Jul. 2022 - present

Walt Disney Imagineering, Orlando, FL

Managed opening of new themed attraction, while interfacing with creative, technical, engineering and construction disciplines in the delivery of show/ride design and systems

CO-FOUNDER, CO-PRESIDENT

Feb. 2020 - Mar. 2022

Theme Park Engineering & Design Group, Evanston, IL

Created university club amidst pandemic and managed external-facing functions of the 50-person group (external speakers, trip-planning, competitions).

ENGINEERING & DESIGN INTERN

Jun. 2021 - Sep. 2021

Ergonomic Solutions, Chicago, IL

Worked independently and in a team to design, prototype, and manufacture mobile office product development - two design patents and one utility patent filed and pending.

FREELANCE DESIGNER

Oct. 2020 - Dec. 2020

DXD Creative Pte. Ltd, Singapore

Drafted designs and technical drawings in AutoCAD for various themed SFX props for permanent historical-themed walkthrough attraction.

ARMY INFANTRY OFFICER

Jan. 2016 - Nov. 2017

Singapore Armed Forces, Singapore

Served as a Manpower Officer (Lieutenant). Managed team of 12 that oversaw all Human Resource affairs for 700-strong infantry battalion, including overseas training exercises in Asia.

TELEVISION HOST & ACTOR

Jan. 2008 - Jun. 2019

Mediacorp, Singapore

Performed in scripted and unscripted lead roles in 12 national TV programs, including Singapore's longest-running arts TV program.