

Gehan Christopher Mendis

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EDUCATION

Purdue University, Lyles School of Civil Engineering - West Lafayette, IN

May 2022

Bachelor of Science in Civil Engineering with a Concentration in Construction

GPA: 3.54

Semester Honors Fall 2018 & Spring 2019, Dean's List all semesters

Coursework: Reinforced Concrete Design, Structural Steel Design, Building Component and System Design, Hydraulics

Code Knowledge: ACI 318-19, AWC NDS 2018, AWC SDPWS 2015, TJ-4000, TJ-9000

Software Knowledge: AutoCAD, Revit, MATLAB

Professional Certifications: OSHA 10-Hour Training

ENGINEERING PROJECT EXPERIENCE

Shadow Intern, The ASRF Consortium - Jeddah, Saudi Arabia

May– July 2019

The ASRF Consortium was created for the engineering, procurement, and construction of 8 seawater desalination plants using seawater reverse osmosis technology. Project was completed in 15 months and valued at \$373 million

- Developed working knowledge and understanding of plans and specifications
- Increased awareness on progress billing, progress reports, and department communication
- Created and modified AutoCAD drawings under supervisor guidance under tight strict deadlines

Optimization of Earhart Dining Hall Queue System – Purdue University

January – May 2021

- Collected data through liaising with facilities manager and performed data acquisition with stakeholders
- Utilized collected ingress and egress data to model existing and 5 proposed queue systems using GRIN and AutoCAD
- Performed financial and constraint-optimization analyses to determine ideal system

Bid Design Proposal Research Project – Purdue University

October - December 2019

- Illustrated residential and lobby floor plans consisting of 10 units with AutoCAD
- Architected a 6-floor apartment complex on Revit with 60 furnished units, activity centers, and landscaping
- Created a design proposal with Revit floor plans, site layouts, and plan sheets

Thermocouple Efficiency – Purdue University

March - May 2019

- Led team in identifying analysis parameters through understanding project criteria on MATLAB
 - Constructed an error analysis that characterizes the accuracy of approaches
 - Reported weekly progress through technical briefs to client
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VOLUNTEER EXPERIENCE

BGR Orientation Team Leader, Boiler Gold Rush Purdue University – West Lafayette, Indiana

March – August 2019

- Mentored 12 new students for a week of orientation at Purdue University
- Cooperated with 9 other Team Leaders to ensure academic and social assimilation in university environment
- Progressed team communications and group discussions for meetings

Food Pantry Volunteer, ACE Campus Food Pantry – West Lafayette, Indiana

June – September 2020

- Evaluated food donation quality with staff according to organization's safety standards
 - Stocked supplies to maintain sufficient levels of food products at pantry station
 - Adhered to state and local health and safety regulations for food handling and sanitation
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AFFILIATIONS

Chi Epsilon, American Society of Civil Engineer (ASCE), Purdue Club Tennis, Sri Lankan Student Associate, ABRSM Grade 5

Piano Practical & ABRSM Grade 5 Music Theory