

Gehan Christopher Mendis

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EDUCATION

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

Bachelor of Science in Civil Engineering with a Concentration in Construction

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

I would change this section to "Objective" and would talk about your goal and who you are and knowledge about the codes you have.

May 2022

GPA: 3.54

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

Add year to each starting and ending experience May 2019 - July 2019 (APPLY TO ALL)

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

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

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