

Sagar Garg

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EDUCATION

PURDUE UNIVERSITY | West Lafayette, IN

MAJOR: COMPUTER ENGINEERING | MINOR: COMPUTER AND INFORMATION TECHNOLOGY

May 2020

GPA: 3.88

SKILLS

PROGRAMMING: C • PYTHON • JAVA • C++ • SQL • ASSEMBLY • ANDROID DEVELOPMENT

WEB DEVELOPMENT: HTML • CSS • JAVASCRIPT • PHP

ENGINEERING: MICRO-CONTROLLERS • PCB DESIGN • SOLDERING • 3D PRINTING AND DESIGN

SOFTWARE: TABLEAU • MATLAB • MICROSOFT ACCESS • ADOBE ILLUSTRATOR/PHOTOSHOP • AUTOCAD/INVENTOR

PROFESSIONAL EXPERIENCE

THE BOEING COMPANY | PRODUCT MANAGEMENT ENGINEERING INTERN | Seattle, WA May 2019 – Aug 2019

- Developed Python-based ETL Scripts for cross platform data transfer
- Improved infrastructure & business process supporting \$100M+ in capital IAD & R&D Investments across BCA and BDS

EPICS DISC | PROJECT MANAGER | West Lafayette, IN

Jan 2019 – May 2019

- Responsible for a team consisting of 25 members in 3 sub-teams dedicated to help the community
- Developed SQL/PHP code for a database of historical buildings in the area

SPIRIT AEROSYSTEMS | IT OPERATIONS INTERN | Wichita, KS

May 2018 – Aug 2018

- Created visually appealing Tableau Dashboards to view a schedule of operations to highlight ready to work orders
- Provides better visibility for shop floor managers and directors to prevent late orders and improve efficiency

OFFICE OF ENROLLMENT MANAGEMENT | WEB DEVELOPER | West Lafayette, IN

May 2017 – Sept 2018

- Redesigned and developed pages using a Content Management System along with HTML, CSS, JS, PHP, and Photoshop
- Over 100,000 people daily accesses the Purdue Admissions website

EPICS WISE | SLAC DESIGN LEAD | West Lafayette, IN

Jan 2017 – May 2017

- Directed a sub-team to develop a web app to help audiology students practice administer hearing tests to patients
- Delivered project to our Project Partner who uses the application to help dozens of students every semester

PROJECTS

MAZE RUNNER | MICROPROCESSOR SYSTEMS AND INTERFACING

Oct 2018 - Dec 2018

- Implemented a STM32F0 microcontroller and a 32x32 LED Matrix to create a maze game controlled by a PCB keypad
- Won the People's Choice award at the Fall 2018 Spark Challenge

QUISTRO | PUBLISHED ANDROID APP

Oct 2018 - February 2019

- Launched Android Application to help users decide where to eat based on their current location and user preferences
- Incorporated the Yelp API and a simple algorithm to filter the number of restaurant choices down to three

EXTRACURRICULAR ACTIVITIES

PURDUE SOCIETY OF PROFESSIONAL ENGINEERS | PRESIDENT | West Lafayette, IN

Jan 2018 – Present

- Provide key leadership and vision by leading bi-weekly officer meetings while communicating with faculty and sponsors
- Won the 2019 Student Organization of the Year Award through club-led programs such as Research Roundtable