Mark Lim

3330 Humboldt St West Lafayette, IN 47906 | 765-714-1864 | lim279@purdue.edu | US Citizen

Objective

Seeking to further my brain's wrinkles

Education

Purdue University | West Lafayette, IN *Aug 2019 – Present*
Bachelor of Science in Engineering, GPA 3.67, Honors College Program Expected Graduation, May 2023

West Lafayette Jr. Sr. High School | West Lafayette, IN *August 2015 – December 2019*
Graduated Summa Cum Laude, GPA 3.99, National Merit Scholar, AP Scholar w/ Distinction

Skills

Languages: Python, C++, C, Java, C#, JavaScript, React, HTML, CSS
Software: Github, Visual Studio, Autodesk Inventor, JetBrains Webstorm, Jetbrains PyCharm, Anaconda Spyder, Paint.NET
Communication: Technical Drawing, Technical Writing, Public Speaking

Experience

Caterpillar Inc. | Lafayette, IN *June – August 2019*
***Intern /* Conexus Indiana Intern Program**

- Collaborated with six technicians in the metallurgical laboratory to test 100+ total engine parts from 20+ different parts of the engine
- Assisted engineers in identifying and verifying potential metallurgical issues through analyzation and discussion
- Utilized magnetic particle testing, tensile machines, hardness testers, and electron microscopes for Non-Destructive Testing analysis of engine parts

Aetern Inc. | West Lafayette, IN *May – August 2016*
Intern

- Assisted in programming a boiler system visual interface software in C# using the .net framework
- Created a brief visual summary of key software features and presented information to clients
- Implemented new features for the program that streamlined convenience and usability

Relevant Coursework

Honors Introduction to Innovation & Engineering Design: Ability to model and investigate physical systems with focus on vector analysis, linear momentum, angular momentum, work-energy, and solid material interactions; basics of descriptive statistics, data analysis, sensitivity analysis, and decision making; project management, engineering fundamentals and oral and graphical communication.
C Programming: Fundamental principles, concepts, and methods of programming in C; fundamental algorithms and data structures; use of programming logic in solving engineering problems
Multivariate Calculus: Differential calculus of several variables, multiple integrals, and introduction to vector calculus

Leadership & Activities

Institute of Electrical and Electronics Engineers | West Lafayette, IN *October 2019 – Present*
***Member /* Microwave Theory and Techniques Society**

- Design and build various electromagnetic wavelength projects

Honors Society| West Lafayette, IN *August 2019 – Present*
Member

- Organize and manage social events for the Honors College Residences

West Lafayette High School Tech Club| West Lafayette, IN *August 2019 – Present*
Executive Member

- Designed and assembled technical projects in the school workshop