

SAN MIN LIEW (JOSHUA)

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EDUCATION

Bachelor of Computer Engineering

Expected May 2018

UNIVERSITY OF MINNESOTA (UMN), TWIN CITIES

Technical GPA: 3.56

Associate of Science (AS) General Engineering

Jan. 2013 – June 2015

Edmonds Community College (EDCC), Lynnwood, WA

GPA: 3.64

SKILLS

- Programming: Java, C++, Python, Visual Basic, Assembly (PIC24), HTML & CSS
- Hardware Design: Verilog, PCB
- Languages: English, Mandarin, Cantonese, Malay
- Version Control: Git
- Documentation: LaTeX
- OS: Windows, Mac, Linux, UNIX
- Knowledge: OOP, Data Structures & Algorithm

UNDERGRADUATE RESEARCH

Dynamic Mathematical Display, EDCC, Department of Electrical Engineering

Nov.2013 - Feb.2014

- Helped create 3 x 3 pins that plots different shapes from a set of programming code, using sensors, computers, servos and actuation systems
- Helped author and edit the research paper

PROJECT

Game Based Alarm Clock (C++), Course Final Project, UMN

Dec 2015

- Using two Particle Photon microcontrollers to create an alarm for one and pattern matching game for the other to turn the alarm off by sending and receiving data from the cloud

File Compressor (Java), Course Final Project, EDCC

May 2015

- Led a team of 3 to compress a text file by creating a file with a .huf extension using Huffman Compression

Chatbot (Python), Individual, In Progress

January 2016 – Present

- Built a Chatbot to understand Python and the fundamentals of an AI topic, Natural Language Processing

RELATED WORK EXPERIENCE

Office Assistant, M & E Engineering Consultant Company, Kuala Lumpur, Malaysia

July 2011 – Dec. 2011

- Estimated quantities, measurements, and cost for air - conditioning blueprints before due dates
- Entered data into Excel Spreadsheet from the blueprints to ensure accuracy
- Prioritized and managed 20 projects with tight deadlines

AWARDS AND ACTIVITIES

Computer Science Student of the Year, EDCC

May 2015

Phi Theta Kappa Honors Society, EDCC

March 2015

Undergraduate Research Award, EDCC

June 2014

The Boeing Company Scholarship, EDCC

January 2014