ACHI NGUYEN
Engineering Student

| My Website: achinguyen.tech | achi.weng@gmail.com | Vancouver, BC, Canada
| Linkedin: Achi Nguyen | Instagram: @achi.weng

HIGHLIGHT OF QUALIFICATIONS

- Knowledgeable in AutoCAD, Fusion360, MicroStation
- Experienced in Excel, MATLAB
- Expert at designing/operating Arduino projects
- Proficient with C++, JavaScript, C, C#, and Python

- Excellent Computer Skill
- Proactive and self-initiative
- Multitasking and Time Managing
- Highly driven and passionate student

EDUCATION

University of British Columbia | Bachelor of Applied Science (CHBE) Chemical Engineering | September 1st - Current
- Early Acceptance to UBC Applied Science

Vancouver Island Univesity | Engineering Transfer Certificate | September 2022 - April 2023 | Nanaimo, BC
- wGPA 3.90 GPA for Engineering Courses
- Transfer Pathway at UBC
- Member at VIU Engineering Club

John Barsby Secondary School | High School Diploma | GPA: 3.80 |Septmeber 2017 - April 2019

AWARDS

Nicholas Pelca Engineering Award | Vancouver Island University | May 2023
- A award given to highest achieving student in the Engineering Transfer Program
- Merits considered: wGPA, Extracurricular, and Leadership

Ike Barber Transfer Scholarship | BC Scholarship Society | July 2023
- A Competitve Scholarship for transfer students with well-rounded personality and academic achievements
- Merits considered: GPA, Community Involvement, Extracurricular, Professional References

Nomination for Student Leadership Award | April 2023
- A nomination for students with high Leadership within the Engineering program at Vancouver Island University

PROJECTS

ARIA Drone | Arduino-Based Remote-controlled Innovated Aircraft | August 2023
- A self-balancing quadcopter project powered by an Arduino Uno, gyroscope, accelerometer, and ESC. The drone boasts a cutting-edge Flight Controller driven by custom Arduino code, seamlessly integrating with RC components for remote control. This innovation in engineering exemplifies precise problem-solving, gyroscopic stability, and a seamless blend of technology. The projects involved the proficient reading of electrical schematics, the use of electrical oscillator, the development of flight controller software.

Sitting Sustainably | EcoChairs: Ingenious Sustainable Seating | September 2022
- Undertaken under the curriculum of the Engineering Program at Vancouver Island University, to engineer an ingenious response to modern chair design. With a focus on sustainability and compactness, the endeavor addressed the unique needs of active young children. Remarkably, the outcome surpassed expectations, exceeding 90% of project criteria while effortlessly supporting a significant 200lbs of weight.

Rolling Ball Structure |.Engineering Final Project | April 2023
- Engineered at Vancouver Island University, a captivating rolling ball structure—crafted with popsicle sticks—integrates technology for interactive physics and engineering education. Arduino-controlled elements include an 8-bit MIDI player, IR ball counter, Archimedes staircase, Ultrasonic speed sensor, and LCD display. A showcase of innovative problem-solving, design, and documentation, inspiring the next generation of scientists and engineers.

Hockey Robot | Engineering Club Project | April 2023
- A project that was commissioned by the VIU Engineering Club. The scope of the project is to create a Robot that can play hockey. The project involved the use of AutoCAD, Fusion360, Development of software and hardware for Arduino

3D Printed Bridge | Engineering Project | Nov 2022
- A project that was initiated within the VIU Engineering Program where the scope of the project is to create a 3D printed bridge. The bridge was subjected to many constrains. and requirements

CERTIFICATES

C++ for Software Developer | Codecademy
- Proud recipient of the Codecademy C++ Certification, showcasing mastery across advanced topics in the language. Proficiency in pointers, memory management, object-oriented programming, and complexities such as data, time, and object analysis. Backed by hands-on experience, including crafting a dynamic dating app and developing an engaging spaceship game within the terminal. This certification embodies a profound understanding of C++ and its applications in real-world projects.

Web Developer | Codecademy
- Thrived in the realm of web development through Codecademy's comprehensive program, gaining mastery across vital skill facets. Proficient in HTML, CSS, JavaScript, and responsive design, with an adept understanding of front-end and back-end dynamics. Leveraging this expertise, I've built diverse projects, including an interactive e-commerce platform and a dynamic personal blog. My web development journey exemplifies a comprehensive grasp of modern technologies and their practical application in crafting immersive online experiences.
- My Website: https://achinguyen.tech

WORK EXPERIENCE

Shanghai City | Server | February 2021 -August 2023
- Provide excellent oriental food services in a fast-paced environment
- Establish high-quality customer service
- Serving and Accommodating guests
- Communicating effectively between staff and co-workers
- Manage food and beverage orders in high volume
- Ensuring top-notch customer service while also maximizing profit for the business

REFERENCES

Dr. Brian Dick | *+1(250)-753-3245 Ext. 2435 | Brian.Dick@viu.ca*

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