

Bryan Rachmat

Website: <https://rachmatbryan.github.io/BryanRachmat/>

Github: rachmatbryan

Email: rachmat.bryan@gmail.com

Mobile: +1-604-779-2701

Linkedin: Bryan Rachmat

EDUCATION

- **Trinity Western University** Langley, BC
Bachelor of Science in Computer Science; Mathematics Minor GPA: 3.67 Jan. 2020 – Dec. 2024

NANO-DEGREES

- **Udacity** Online
Software Development 2024
 - **Full Stack JavaScript Developer:** Focused on JavaScript frameworks such as Angular, Node, React, and Express, along with PostgreSQL, Jasmine, AWS Elastic Beanstalk, and CircleCI.
- **Udemy** Online
Programming 2022
 - **Complete Web Development:** Learned HTML, CSS, JavaScript, Tailwind CSS, PHP, SQL, and Ajax.
 - **Complete Python Bootcamp:** Learned Python, and OOP.

EXPERIENCE

- **Trinity Western University** Langley, BC, Canada
Teaching Assistant Jan 2023 - Present
 - **Educational Support:** Provided targeted assistance to students requiring help with Java and OOP, using a variety of teaching methods tailored to individual learning styles.
 - **Assignment Grading:** Evaluated student assignments to ensure a fair and consistent assessment process, with detailed analysis of code quality, functionality, and adherence to best practices.
 - **Feedback Provision:** Offered constructive feedback to students, highlighting strengths and areas for improvement to guide them towards higher proficiency in coding skills.
- **Trinity Western University** Langley, BC, Canada
Research Assistant May 2023 - Aug 2023
 - **Artificial Intelligence Research:** Specialized in AI-driven 3D animation. Published "MARTA: Modern Automatic Renderings from Text to Animation" in IEEE UEMCON 2023.
 - **Algorithm Development:** Developed algorithms for translating natural language into 3D animations.
 - **Technology Integration:** Implemented machine learning models, Python, Blender, CUDA, NLP, and Stable Diffusion in creating automated 3D animations from text.

PROJECTS

- **Angular Online Store:** Developed a comprehensive e-commerce application with Angular. Features product listings, cart functionality, and checkout processes.
- **ImageAPI:** Built a Node.js and Express service for dynamic image resizing, with a suite of endpoints for user-defined dimensions.
- **Elderly Cognitive Game (ESP32):** Created a cognitive game for the elderly using ESP32 and MicroPython.
- **Photography Website:** Designed and developed an interactive website for showcasing photographic work, using HTML, CSS, and JavaScript.
- **Storefront Backend:** Engineered a robust backend for e-commerce operations using Express and PostgreSQL with RESTful APIs.
- **Udagram Deployment:** Implemented a scalable infrastructure for deploying a social media application on AWS, with automated CI/CD via CircleCI.

PROGRAMMING SKILLS

- **Languages:** Python, HTML, CSS, JavaScript, SQL, Java.
- **Technologies:** AWS, Node.js, Express, Angular, React, TypeScript