**JENAMARI BATHAN**

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**Profile**

Second-year Computer Science student at the University of Wollongong, majoring in Software Engineering. Equipped with leadership experience, technical aptitude, problem-solving abilities, and a keen adaptability to dynamic environments. Hands-on experience with programming languages such as Python, Java, and JavaScript. Eager to contribute my skills and enthusiasm to innovative projects and collaborative teams.

**Technical Skills**

**Programming Languages:** Python, Java, JavaScript, C#, C++

**Developer Tools:** Visual Studio Code, MySQL, ProjectLibre, UMLet, Replit, Github, Microsoft Excel

**Algorithms and Data Structures:** DFS, BFS, Prim’s Algorithm, Kruskal’s Algorithm, Dijkstra’s Algorithm, Graphs

**Web Development:** HTML, CSS, Figma, Readymag, Wix, Google Sites

**Languages:** Fluent in English, Filipino, Kapampangan

**Key Skills and Highlights:**

* **Leadership & Communication:** Co-founder and executive of the Filipino Organisation at UOW, managing events, documentation, social media, and external collaborations.
* **Remote Collaboration:** Worked with a New York-based team as a Data Analytics extern, applying machine learning techniques for blockchain smart contract analysis.
* **Tutoring & Mentorship:** Personalised mathematics tutoring for primary to high school students, enhancing student outcomes and receiving excellent feedback from parents.

**Experience**

**Webacy Inc. Webacy Web3 Security Data Analytics Remote** *June 2024 – July 2024*

Extern

* Conducted detailed analysis and labelling of smart contract vulnerabilities, enhancing data categorisation and risk assessment skills.
* Validated peers' data labels to ensure the accuracy and reliability of data sets.
* Performed frequency and correlation analysis of risk tags to identify the most prevalent vulnerabilities and their associations, gaining proficiency in data manipulation and statistical tools.
* Utilised unsupervised machine learning techniques for cluster analysis, discovering patterns and commonalities among smart contracts to profile risks effectively.
* Demonstrated proficiency in Excel, Google Colab, and Python, employing these tools for complex data analysis, manipulation, and visualisation tasks to uncover insights into smart contract vulnerabilities and risk profiles.

**Student Ambassador** *July 2024 – January 2025*

Extern

* Selected as an Ambassador for Extern's Ambassador Program, representing 2K+ alumni from over 150+ countries worldwide.
* Recruited college students from Australia to the United States of America for externship opportunities in fields such as technology and marketing.

**Mathematics Tutor** *September 2024 – Present*

Custom Tutoring Institute

* Provided personalised math tutoring to students from Unanderra, ranging from primary to high school levels.
* Utilised a variety of teaching tools and resources, including online platforms, educational software, and hands-on activities that enhance learning experiences.
* Helped improve students’ performance skills in mathematics with positive feedback from both parents and students.
* Remained updated on the latest educational trends and curriculum changes to ensure effective tutoring practices.

**Mathematics Tutor** *April 2024 – June 2025*

EzyMath Tutoring

* Provided personalised math tutoring to students from Shellharbour ranging from primary to high school levels.
* Utilised a variety of teaching tools and resources, including online platforms, educational software, and hands-on activities that enhance learning experiences.
* Helped improve students’ performance skills in mathematics with positive feedback from both parents and students.
* Remained updated on the latest educational trends and curriculum changes to ensure effective tutoring practices.

**Leadership Experience**

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| **Filipino Organisation of UOW**  *University of Wollongong*  *2024 - Current* | Co-Founder and Secretary (Oct 2024 – Present)   * Maintains a close liaison with the Club, Officer Bearers and UniClubs. * Keeps a current register of all members and their details, their constitution, and any Resolutions of the Council relating to them. * Controls all clerical work of the club and is in charge of the Education Committee. * Prepares and distributes the Agenda of Minutes as well as Minutes of Meetings, and maintains and safeguards a Minutes Book. This may also include electronic records.   Co-Founder and Socio-Cultural Head (Mar 2024 – Oct 2024)   * Served as a bridge between the organisation and external stakeholders, such as other organisations and cultural institutions. * Facilitated dialogue and collaboration within and beyond the community to promote cultural competency, sensitivity, and inclusivity. * Managed the social media accounts controlled by the organisation to ensure proper use and communication. |
| **UOW Women in STEM**  *University of Wollongong*  *2024 – Current* | Member   * Being a part of a dynamic community dedicated to promoting and empowering women, specifically University of Wollongong, in STEM fields. |

**Education**

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| **University of Wollongong**  *Bachelor of Computer Science (Major in Software Engineering)* | 2024-Present  *Second Year – With High Distinction* |
| **Ateneo de Manila University**  *Senior High School Diploma in Science, Technology, Engineering, and Mathematics* | 2021-2023  *GPA:* ***3.60/4.00*** |

**Awards and Certifications**

**Crash Course on Python**

*Authorised by Google and Offered through Coursera – September 2023*

* This course is designed to teach the foundations of writing simple programs in Python using the most common structures. Under this course, the student has understood the benefits of programming in IT roles; understand basic Python syntax; explore different code editors and developer environments; be able to write simple programs using Python; figure out how the building blocks of programming fit together; and combine all this knowledge to solve a complex programming problem.

**Professional References**

**Nathan Kibanoff – Lecturer at De La Salle University**

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**Thanh Le Hoang – Lecturer in AI at SCIT, University of Wollongong**

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