

## EDUCATION

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**Universiti Teknologi PETRONAS**                      **B. E. Computer Engineering (Hons)**                      **Sep 2017 – Sep 2021**

- Expected graduation: September 2021. CGPA: 3.72/4.00.
- Related coursework: Distributed and Parallel Computing, Computer Architecture, Linear Algebra, and Probability

## WORK EXPERIENCE

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**Massachusetts Institute of Technology**                      **Research Collaborator**                      **Oct 2020 – Present**

- Co-authored “CreativeGAN: Editing Generative Adversarial Network for Creative Design Synthesis” paper for ASME IDETC-CIE 2021 conference and contributed 80% of the experiment.
- Trained segmentation, generative, and anomaly detection network on a new dataset and integrated the networks for creative bike design synthesis.
- Python, Tensorflow, PyTorch, OpenCV, High-Performance Computing (HPC).

**ViTrox Corporation**                      **Deep Learning Intern**                      **Jun 2020 – Dec 2020**

- Developed anomaly detection model for components defects with 90% accuracy.
- Implemented a few-shot classification model for electrical components using metric learning with 99% accuracy
- Automated model performance report generation in computer vision tasks.
- Developed a desktop application for data labeling.
- Python, Django, PyTorch, Keras, JavaScript, Angular, Electron.js, Unix, Docker.

**Freelance Developer**                      **Sep 2018 – Present**

- Built 3 e-commerce websites, 3 static websites, and 4 mobile apps for businesses and individuals.
- Ruby on Rails, JavaScript, Node.js, React Native, HTML/CSS, GCP, Firebase.

**Fave**                      **Software Engineer Intern**                      **May 2018 – Aug 2018**

- Fixed various bugs, wrote unit tests, and refactored a large Rails app.
- Saved 3-5 days of work monthly by automating PDF report generation and distribution.
- Ruby on Rails, PostgreSQL, AWS, Git, CI/CD, Sentry, JIRA, Agile, and Kanban.

## LEADERSHIP

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- Microsoft Learn Student Ambassador                      Jan 2021 - Present
- Tech Lead of DSC UTP (Google Developers Student Program)                      Sep 2019 – Sep 2020
- Founder & President of UTP App Development Club                      Jul 2019 – Jul 2020

## ACHIEVEMENTS

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- Organized 7+ workshops and led a team in 4+ competitions.
- Wrote 8+ technical articles with 50k+ total views.
- Published 2 mobile games with 2k+ total installs.
- Microsoft Certified: Azure AI Engineer Associate.
- Microsoft Certified: Azure Data Scientist Associate.
- UTP Brand Advocate Silver Award
- Top 5 winner in University Open Virtual Hackathon 2020
- Best Open Source Project on GitHub’s award out of 292 participants globally in Local Hack Day: Share competition.
- First Runner Up in nationwide iUM Hackathon 2020.
- 2<sup>nd</sup> Place in nationwide DSC Kita Hack 2020 by Google Developers.
- Chairman’s Award out of 160 teams in the 42<sup>nd</sup> Science & Engineering Exhibition.
- Ranked 9 in nationwide varsity APU Battle of Hackers 2019.