

(+60) 11-6227-1261
m.fathyrashad@gmail.com

MUHAMMAD FATHY RASHAD

linkedin.com/in/mfathyrashad
www.mfrashad.com

EDUCATION

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

- Graduated with First Class Honors and CGPA of 3.72/4.00
- Class **valedictorian** and was awarded Gold Vice-Chancellor, Gold Final Year project, Gold Capstone Project, and Best International Student Award.

WORK EXPERIENCE

Massachusetts Institute of Technology **Research Collaborator** **Oct 2020 – July 2021**

- Co-authored “CreativeGAN: Editing Generative Adversarial Network for Creative Design Synthesis” paper for ASME IDETC-CIE 2021 conference with MIT DeCoDE Lab.
- Trained segmentation, generative, and novelty detection networks 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 component defects with 90% accuracy.
- Implemented a few-shot classification model for electrical components using metric learning with 99% accuracy
- Increased reporting efficiency by 30x by automating model performance report generation in computer vision tasks.
- Ported a web application for data labeling into a desktop application.
- *Python, Django, PyTorch, Keras, JavaScript, Angular, Electron.js, Unix, Docker*

Freelance Developer **Sep 2018 – Present**

- Developed 1 chatbot, 5 ML tasks, 6 websites, and 4 mobile apps for businesses and individuals.
- *Python, Ruby on Rails, JavaScript, Node.js, React Native, HTML/CSS, GCP, AWS, Firebase*

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

- Fixed various bugs, wrote unit tests, and refactored a large Rails app.
- Increased reporting efficiency by 120x by automating PDF report generation and distribution.
- *Ruby on Rails, PostgreSQL, AWS, Git, CI/CD, Sentry, JIRA, Agile, and Kanban*

LEADERSHIP

- Microsoft Learn Student Ambassador Jan 2021 – July 2021
- Tech Lead of GDSCUTP (Google Developer Student Club UTP) Sep 2019 – Sep 2020
- Founder & President of UTP App Development Club Jul 2019 – Jul 2020

ACHIEVEMENTS

- Enrolled in a university at 15 years old.
- Top 10 Young Talent Awards out of 900+ nominees in MonStar Award 2021
- Organized 7+ workshops, invited as a speaker in 4 events (paid & unpaid), and led a team in 5+ competitions.
- Wrote 10 technical articles with 200k+ total views.
- Built an AI animator, AI fashion generator, and an AI art generator (text2art.com).
- Created Text2Art which gained 20k+ users in 3 months, 250+ stars in Github, and was mentioned in Korean news.
- Published 2 mobile games with 2k+ total installs.
- 2x Microsoft Certified: Azure AI Engineer Associate & Azure Data Scientist Associate.
- Won total of 9 competitions (2 international & 3 national)
- Won ‘Best Open Source Project on GitHub’ award out of 292 participants globally in Local Hack Day: Share.
- Won ‘Prize for Advanced AI’ out of 600 global participants in Super Artistic AI Factory hackathon.