THANAPHON "BOM" CHAVENGSAKSONGKRAM

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EDUCATION

- **The University of Edinburgh** — Edinburgh, UK
  Master of Science in Artificial Intelligence — Aug. 2017 – Aug. 2018

- **West Texas A&M University** — Texas, USA
  Bachelor of Science in Computer Science; Attebury Honors; GPA: 3.81/4.00 — Aug. 2009 – July. 2013

ACADEMIC PROJECTS

- **Library for Graph Sparsification**: C++ algorithm library based on Spectral Graph Sparsification
  https://github.com/As-12/gSparse

- **Breast Cancer Classification**: Python-based machine learning model that achieves 93% detection rate
  https://github.com/As-12/BreakHis-ML

WORK EXPERIENCE

- **Fidelity Investments - Ireland** — Dublin, Ireland
  Cybersecurity Software Engineer — Jan 2019 - Feb 2020
  - **Web Development**: Developed a full-stack web application using Java Spring Boot 2.x, Angular 8, and MySQL to automate the validation of cybersecurity controls.
  - **Change Management**: Performed source code review, organized merge conflict resolutions, and validated the release branch before deployment.
  - **DevOps**: Maintained and built CI/CD Jenkins declarative pipeline to build, test, and deploy web applications, reducing delivery time from 1 hour to less than 5 minutes.
  - **Quality Assurance**: Integrated code quality tool such as SonarQube into CI pipeline resulting in 10% increase in test coverage.

- **Fidelity Investments - Ireland** — Dublin, Ireland
  Technology Risk Analyst — Jan 2016 - Sep 2017
  - **Unix Security**: Deployed Role-Based Access Control security infrastructure across over 12,000 Unix Servers and private cloud using Centrify.
  - **Automation**: Developed security provisioning and incident resolution tools that saw an average incident response time reduce by 51% after initial release.
  - **Security Operations**: Supported Key management, Authentication, and Single Sign-On production systems across the firm using follow the sun model.

- **Fidelity Investments - USA** — Westlake, TX, USA
  Operating Systems Programmer — Jul 2013 - Dec 2015
  - **Operational Support**: Supported production CICS applications through 24/7 oncalls, resolved any incidents, and answered customer inquiries.
  - **Cost-Saving**: Cut annual licensing cost by up to 1.4 million dollars by rewriting SAS Application using REXX.
  - **System Engineering**: Managed life cycle of over 1,800 CICS servers and their related subsystems. Perform configuration changes and deploy applications to the environment.

AWARDS

- **Fidelity High-Five Award 2017**: Reduced average incident resolution time by 51% through scripting.
- **Fidelity On-The-Spot Award 2015**: Automated MQ DR testing for Data Center move.
- **Fidelity Best-In-Class Volunteer 2014**: Contributed to various volunteer projects throughout the years.

COMPETITIONS

- **IBM Masters the Mainframe 2010**: Top 2% of all the finalists.
- **NECTEC National Software Contest 2008**: Winner of Video Game Development contest using C++ and Ogre3D.