

# THANAPHON "BOM" CHAVENGSAKSONGKRAM

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## EDUCATION

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- **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*

## PROJECTS

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- **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

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- **Software Engineer** Jan 2019 - Feb 2020  
*Fidelity Investments*
  - **Full-stack Development:** Develop a full-stack web application using Java Spring Boot 2.x, Angular 8, and MySQL to automate the validation of Cybersecurity controls.
  - **Change Management:** Perform source code review, organize merge conflict resolutions, and validate the release branch before deployment.
  - **Deployment Automation:** Maintain and develop Jenkins declarative pipeline and Unix scripts to build, test, and deploy the applications, reducing delivery time to less than 5 minutes.
- **Technology Risk Analyst** Jan 2016 - Sep 2017  
*Fidelity Investments*
  - **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 integrated with ServiceNow that saw average incident ticket response time reduce by 51% after initial release.
  - **Security Operations:** Support Key management, Authentication, and Single Sign-On production systems across the firm using follow the sun model.
- **Operating Systems Programmer** Jul 2013 - Dec 2015  
*Fidelity Investments*
  - **Application Support:** Support production COBOL applications such as resolving ABEND and analyzing SVC dumps.
  - **Systems Programming:** Developed system applications to support CICS environments such as transaction monitoring and audit item resolution.
  - **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

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- **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

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- **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.