MARQUOS ZAKI

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EDUCATION

Master of Science – eHealth   **Expected Completion: December 2020**
McMaster University, Hamilton, ON

- *Related Courses*: Canadian HealthCare System, Project Management, Modern Software Technology for eHealth

Full Stack Developer Nanodegree   **Sept 2018 – Jan 2019**
Udacity Online Platform

- Used Flask framework and SQLAlchemy to develop a tool to analyze log files and report queries as needed with SQLite and Python.
- Built a Movie Catalog website using Bootstrap and Flask templates as a frontend to serve dynamic content from Postgres database
- Configured Apache server hosted on a virtual Linux instance
- Published the web content using Amazon Lightsail

Bachelor of Science, Computer Engineering   **Jan 2015 – June 2018**
King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia

- Graduated with honors cum laude
- 2nd Award in Capstone projects competition
- Full Scholarship, 2014
- IEEE Vice President
- IET Vice President
- Volunteering Team Leader (2 times)
- *Related Courses*: Database systems, Programming I (Java), Programming II (Java), Computer Networks

EXPERIENCE

Software Engineering Co-op   **May 2019 – December 2019**
PointClickCare, Mississauga, ON

- Cooperated with UX and product team using react-redux paradigm to develop re-usable components in an enterprise-level application
- Created and developed test cases as unit testing leveraging Jest and Enzyme frameworks resulting in a more robust and bug resistant code
- Demoed parts of the software to the product team and higher management

Business Systems Analyst   **June 2017 – September 2017**
TAM Development LLC, Dammam, Saudi Arabia

- Developed and documented business requirements, identified stakeholders and prepared interview questions
- Created use case scenarios, user personas, user stories, user acceptance testing and refined product requirements to prioritize the backlog
- Reported findings and prepared slide decks for presenting the product team results to CTO

CERTFICATIONS

- SAP Project Manager (C_PM_71)
- Associate Business Foundation & Integration with SAP ERP 6.0 EHP5

CAREER RELATED SKILLS

- **Software Design and Management:** Jira, Git, Entity Relationship Design, ,Balsamiq
- **Programming/Frameworks**: Java, Python, R, Git, Python, Material-UI
- **Web & Database**: React, HTML, CSS, JavaScript , JSON, PostgreSQL
- **Operating Systems**: Microsoft Windows, Unix/Linux

PROJECTS

Software Design, Semester project   **Dec 2018**
McMaster University, Hamilton, ON

- Spearheaded an interdisciplinary team of 5 members in the technical design of a web application that provides online tools and resources for helping people suffering from eating disorders in Hamilton.
- Prototyped the application using Wix: https://bit.ly/2CQpDOB

Mobile Computing Project   **March 2018**
King Fahd University, Dhahran, Saudi Arabia

- Targeted users are physically challenged and individuals with Amyotrophic Lateral Sclerosis (ALS)
- Acquired electrical signals produced by the brain, using EMOTIV EPOC electroencephalography (EEG) headset
- Mapped facial gestures and cognitive signals to generate physical actions
- Communicated these commands - wirelessly- using a client/server model programmed in Python
- Deployed using Raspberry Pi to control TV functionality
- Journal URL: https://bit.ly/2VGQSCC

ACTIVITIES

DeltaHacks 2nd Award   **Jan 2019**
McMaster University, Hamilton, ON

- "Smile4Real" is an android application address mental health issues such as depression and won 2nd place award amongst 201 participating teams

Volunteer   **Dec 2018**
good Shepherd, Hamilton, Canada

- Assisted staff in separating and labeling more than 500 items of donated clothing as a preparation for Christmas Marketplace held at the shelter