

Maximilian Roquemore

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WORK EXPERIENCE

UT AI Research - September 2015 to Present

- Research with Dr. Matthew Lease in area of Artificial Intelligence and Crowdsourcing information retrieval
- Working to classify medical abstracts using ensemble based machine learning and IR techniques

Office of the CTO, Security Researcher

UT AI Research - May 2016 to October 2016

Technical lead of GeoMap IP plugin and Tensor Flow intrusion detection system

- Built a live dynamic firewall w/ admin GUI to block malicious users on external network
- Attended Navigate, Defcon, and Blackhat to learn about cutting edge security techniques and protocols
- Created Tensor Flow model to detect internal threats (involving DB sha512 encryption/ensemble ML models)

Backend Developer

UT AI Research - April 2016 to May 2016

Design DB architecture (Redis/Postgres), rest API and backend features for call scheduling app

- Websocket-rails, Token authentication, call scheduling algorithm implementation and core functionality design

Software Engineer

Geometrica - MX - June 2014 to August 2014

Technical and Functional lead for Rails rebuild project

- Rebuilt company's online server, implementing enhancements via updated Rail based system (MySQL DB)
- Network control tasks, debugging, every aspect of the companies sever side and web based components

EDUCATION

BS in Computer Science

The University of Texas at Austin - Austin, TX
March 2017

ADDITIONAL INFORMATION

Skills Summary

Over 5000 lines: Over 1500 lines: Misc:

- o Python J o Emacs Lisp o Managerial Training
- o JAVA o HTML + CSS o Photoshop + Flash + Zbrush
- o Ruby + Rails o Bash o Kali OS
- o JavaScript (MEAN stack) o MySQL + Posgres o GIT/SVN
- o C/C++ o PLU data suite o SciKit, PyBrain, Django
- o Zipline (Quant)