Maximilian Roquemore

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[EMR]

Education

The University of Texas at Austin   **Graduation: Spring 2017**

Major: BS Computer Science   **GPA**: 3.65 (major)
Courses: *Algorithms/Complexity – Ethical Hacking – Network Security – Competitive Programming – Deep Learning/IR*

Skills Summary

Over 5000 lines:
o   Python ☺
o   JAVA
o   Ruby + Rails
o   JavaScript (MEAN stack)
o   C/C++

Over 1500 lines:
o   Emacs Lisp
o   HTML + CSS
o   Bash
o   MySQL + Posgres
o   PLU data suite

Misc:
o   Managerial Training
o   Photoshop + Flash + Zbrush
o   Kali OS
o   GIT/SVN
o   SciKit, PyBrain, Django
o   Zipline (Quant)

Projects/Experience:

- Active backend dev for 'TeamLift' startup, a social workout app
- Active Algorithmic options trader (5+ years trading experience, 1-year w/ algos)
- DEFCON 24 + Black Hat 2016 attendee
- HackRice'16 2nd Round (celebidies real time trading application - backend)
- Quantopian Challenge + UTACM active competitor
- SXSW15/16 'CrowdControl' project, using Kinect motion sensors to filter Ableton Suite in real-time – webdev
- Owner of XMA design co., motex.me, maxim4art.daportfolio.com and celebidies.com, classchat.me
- Homework generator for MyMathLab.com, Nokogiri web scraping and crawler – IR/automation

UT AI Research   **9/15 – 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

Work History

SailPoint   **5/16 – Present**

Position: **Office of the CTO, Security Researcher**
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)

Cingo.me   **4/16 – 5/16**

Position: **Backend Developer**
Design DB architecture (Redis/Postgres), rest API and backend features for call scheduling app
- Websocket-rails, Token authentication, call scheduling algorithm implementation w/ core functionality design

Geometrica   **6/14 – 8/14**

Location: **Monterrey, Mexico**
Position: **Software Engineer**
Technical and Functional lead for Rails rebuild project
- Rebuilt company's online server, implementing enhancements via new-updated Rail based system (MySQL DB)
- Network control tasks, debugging, every aspect of the companies sever side and web based components