

# Maximilian Roquemoire

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# [EMR]

## Education

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**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

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### Over 5000 lines:

- Python ☺
- JAVA
- Ruby + Rails
- JavaScript (MEAN stack)
- C/C++

### Over 1500 lines:

- Emacs Lisp
- HTML + CSS
- Bash
- MySQL + Postgres
- PLU data suite

### Misc:

- Managerial Training
- Photoshop + Flash + Zbrush
- Kali OS
- GIT/SVN
- SciKit, PyBrain, Django
- 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 2016 2<sup>nd</sup> Round (celebrities real time trading application)
- Quantopian + raw Stock analysis with ML algos to cluster chart patterns for various indicators (pivots, S/R levels)
- SXSW 'CrowdControl' project, using Kinect motion sensors to filter Ableton Suite in real-time
- Owner of XMA design co., [motex.me](http://motex.me), [maxim4art.daportfolio.com](http://maxim4art.daportfolio.com) and [celebidies.com](http://celebidies.com), [classchat.me](http://classchat.me)
- Homework generator for MyMathLab.com, Nokogiri web scraping and crawler

## UT AI Research

**Fall 2015-2016**

- Research with Dr. Matthew Lease in area of Artificial Intelligence and Crowdsourcing information retrieval
- Classification of medical abstracts and ensemble based machine learning techniques

## Work History

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### 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 cutting edge security techniques/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