Tom Ebergen

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San Francisco

EDUCATION

UNIVERSITY OF WATERLOO
Bachelors of Computer Science
Combinatorics and
Optimization Minor
Finished April 2017

LINKS

Github:// tmonster
LinkedIn:// tomebergen
Website:// https://Tmonster.github.io

SKILLS

PROGRAMMING
Python (& Django)• Java • Shell •
JavaScript • React&Redux • C • C++ •
CSS • PHP • HTML • Git
Familiar:
Android • SQL • MySQL • Postgres •
AWS systems •

COURSEWORK

UNDERGRADUATE
Advanced Algorithms
Artificial Intelligence
Applied Cryptography
Networking (TCP & IP) Graph Theory
Computer Security and Privacy
Functional Programming
Formal Languages and Parsing
Databases
Graph Theory
Optimization Theory

HOBBIES

Guitar
Performing Stand Up Comedy
Improv
Golf
Snowboarding

EXPERIENCE

ALATION INC. | Software Engineer
Oct 2017 – Present | San Francisco, California
- Implemented and maintained award winning trust check feature
- Constructed new Alation catalog pages to present any ingested BI tool objects(Tableau, Microstratefy, etc.) These pages will increase developer efficiency by 50%
- Increased query result storage by up to 6x. The upper limit can be specified by administrators
- Developed and maintained the new business friendly Alation home page. The new homepage grew our target customer base by 30%
- Managed and guided a team in India to make sure front-end development remained on schedule
- Improved Data Source connection menu to connect to hive data sources.

ASYNCHRONOUS RESEARCH CENTER | Research Assistant
Sept - Dec 2016 | Portland State University, Oregon
- Supervisor: Ivan Sutherland.
- Discovered anomalous coupling between circuit parts on experimental chip
- Developed, programmed, and analyzed tests on VLSI chip developed by the research group
- Presented discoveries in a clear and informative way to senior researchers

INDOCHINO | Software Engineer
Jan 2016 – April 2016 | Vancouver, Canada
- Assisted with developing product features and relevant front-end functionality
- Developed sleek native mobile views for new features on the website
- Implemented database tables and associated models for the MVC architecture
- Re-designed e-commerce web pages and removed unnecessary page reloads

PROJECTS

PLANIT
- Event democratization app where users can plan large group events
- Written in React Native.
- Designed and implemented event creation flow and event view

DONALD TRUMP TWITTER BOT
- Written in python
- Uses an open-source recurrent neural network which trains on Donald Trump Tweets.
- Tweets are pulled using a tweet-scraper that strips the tweets of all URLs and non unicode characters.

INTRUSION DETECTION SYSTEM (IDS)
- Written in C.
- IDS Monitors a network for malicious activity. By inspecting packets the IDS can perform the following task:
  - detect Spoofed packets,
  - perform Sinkhole lookups