ROY FALIK

201 E 21st Street, Austin, TX, 78705 | (858)-344-7745 | roy.falik@utexas.edu | https://github.com/RoyFalik

EDUCATION

The University of Texas at Austin, Austin, TX **GPA:** 3.74
Bachelor of Sciences in Computer Science **Expected:** December 2017

- **Fluent in Hebrew/French:** Speak, read, write, translate, and interpret with ease

TECHNICAL SKILLS

Languages:	Proficient in Java, C#
	Exposure to SQL, PHP, Python, x86 Assembly, C, C++
Databases:	Exposure to MySQL, including designing relational databases, CQL (NoSQL)
Web Development:	Proficient in HTML/CSS, JavaScript, .NET, LESS
	Exposure to jQuery including AJAX, Node.js, JSON, socket.io
Other Software:	Visual Studio, Eclipse, Git, Linux, phpMyAdmin, Grunt, ROS

EXPERIENCE

In-Com Data Systems, Richardson, Texas June - August 2015
Intern

- Developed a client-facing web tool which helped generate complicated search queries (.NET)
- Managed a team of 3 interns, guiding through project development
- Implemented Telerik .NET controls for smooth, responsive UI

TechMind Ltd., Tel Aviv, Israel Summer 2014
Intern

- Built custom software to create levels of a mobile game with millions of downloads
- Attended meetings concerning implementation of TechMind products in customer companies

The University of Texas at Austin Fall 2015 - present
Pod Mentor

- Mentoring a group of 25 Computer Science Freshmen in their acclimation to UT
- Responsible for tutoring in studies, suggesting projects, running a classroom for 1 hour/week

PROJECTS

The University of Texas at Austin
Research – Autonomous Artificial Intelligence Robots Fall 2015 - present

- Implement Robot Operating System code to add functionality to the existing robot infrastructure
- Reinforce current robot learning by logging hours in mapping the Computer Science building

Research – Computational Evolution/Integrative Biology January 2015 – April 2015

- Conduct research on self-replicating computer programs using PyAvida in a controlled environment
- Contribute to source-code of PyAvida in Python and bug testing

CS 314 (Data Structures), The University of Texas at Austin

- MapReduce implementation – built on a modified version of Hadoop
- Search algorithm implementation – Djikstra's, Prim's, A*

Independent:

- Time Series Implementation – Apache Cassandra DataStax Java Driver
  - Automated setting up new CQL session using Java
  - Implemented several time series designs to automatically add data to database
  - Presented data in organized fashion using search algorithms to adapt to user query
- Bit manipulation visualization application (in progress)– Clientside JavaScript
  - Facilitates learning bit operations for CS429 (Computer Organization and Architecture)
  - Visualizes numbers in either base 10, hexadecimal, or two's complement and allows users to manipulate numbers