Arkady Arkhangorodsky

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EXPERIENCE

ORBIS ACCESS | Software Engineering Intern
May – Aug 2015 | Vancouver, BC
- Created from scratch the website for the Orbis Challenge for both competitors and administrators
- Full stack web development, using the .NET framework, Microsoft Azure, AngularJS and Less
- Did business intelligence and analytics work with Google Analytics and QlikView

BADER LAB | Summer Researcher
Jun 2013 – Aug 2014 | Toronto, ON
- (2014) Contributed to a Cytoscape plugin to automatically annotate functional genetic enrichment maps
- (2013) Studied high dimensional data visualization and dimensionality reduction
- Worked in Java, R, and Python

PROJECTS

THE ORACLE OF HIP-HOP   arkadyark.me/visualizations/rap-network
- Data visualization of the collaboration network of hip hop artists
- Each artist is given a number representing their distance to the central artist; a Kevin Bacon number for rappers
- Made using Ruby, d3.js, jQuery, and data from RapGenius

AISTEROIDS   devpost.com/software/aisteroids
HackThePlanet 2015
- Two player asteroids, where code can be submitted to control the first player
- The second player uses machine learning algorithms to train an artificially intelligent bot to beat all of the submissions received
- Uses a Node.js server and runs on Microsoft Azure

CENSORME   play.google.com/store/apps/details?id=me.arkadyark.www
DeltaHacks 2015
- Android app that allows users to define words to avoid, notifies the user ever time it catches them saying them, and keeps a running count
- Won second place overall at DeltaHacks 2015

AWARDS

2015	Second prize for best use of Facebook/Parse at MHacks 2015
2015	University of Toronto Dean's List
2015	Second place at DeltaHacks student hackathon
2014	Orbis Challenge winner (1st out of ~100 teams)
2014	President's Entrance Scholarship

EDUCATION

UNIVERSITY OF TORONTO
BASc in Engineering Science
2014 - 2018   3.84 GPA

EXTRACURRICULAR ACTIVITIES
UofT Robotics Association
2016: Autonomous Rover Team, Webmaster
2015: Sumo & Top Secret teams

Hackathons
2015 - present: attended many (7) student hackathons all around Canada and America

University of Toronto Aerospace Team (Computer Vision), Intramural Soccer, Hacker Academy

RELEVANT COURSEWORK

IN-SCHOOL
Praxis (Engineering Design) I and II
Computer Algorithms & Data Structures

ONLINE (MOOCS)
Algorithms: Design & Analysis (parts 1 & 2)
Programming Languages
Computing for Data Analysis
For a complete list, see
arkadyark.me/res/moocs.pdf

SKILLS

PROGRAMMING
Significant experience (2000+ lines)
Python • Java • Javascript • R
Knowledgeable (500+ lines)
C • C# • Ruby • Matlab • PHP
Familiar
LaTeX • Racket • C++

HARDWARE
Arduino/Spark • 3-D Modelling/CAD • Soldering • Woodworking • Basic machining