Josh
Sideris

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Relevant Professional Experience

Game Designer – Saucers.Space (December 2017 – Present)
- Designed and implemented full stack real-time application supporting 100s of concurrent users on a custom engine.
- Core platforms: Node.js, MySQL, websockets, three.js/pixi.js graphics, p2.js physics, dothtml/dotcss responsive UI.

Cofounder and System Architect – Phashtag (November 2012 – September 2014),
CEO – Ladon Labs (formerly Phashtag) (September 2014 – Present)
- Lead a small team of engineers to build several RESTful APIs for pattern recognition in images and videos.
- Wrote and maintained a business plan, lead the company through a major pivot, and raised $90,000 in funding.
- Drafted provisional patent applications for an automated point-of-sale image-recognition produce scanner.
- Configured and managed MS/Linux servers, as well as many client/server applications (both local and on the cloud).
- Built a piracy-tracking platform for high-value video assets, and a portfolio of innovative web/desktop applications.
- Core platforms: Windows Server, IIS 6/7/8, .Net, ASP.NET: MVC and Web API, SQL Server 2012, JavaScript.

Radio Tools Developer – Research in Motion Limited (May 2011 – August 2012)
- Used Agile methodologies to build and support a massive enterprise test management and automation solution.
- Took ownership of (sometimes very old and convoluted) code written by other developers.
- Optimized several heavy database queries, resulting in +100× performance increases throughout the system.
- Core platforms: SmartGWT, Apache Tomcat, ASP.NET, SQL Server 2008, and many others.

Business Technical Solutions Consultant – Rogers Communications Incorporated (September 2007 – August 2008)
- Offered full front-line BlackBerry support to corporate, government and business customers for email, BlackBerry Internet Service (BIS), device activation, troubleshooting, and connectivity as well as coaching and education.
- Identified the needs of the customer and materialized them on the device.
- Collaborated with SMEs to identify outages and handle escalations.

Notable Awards

Nicol Entrepreneurship Award *National Winner* **(2014)** nicol.jsideris.com
Bergeron Medal of Distinction in Science and Technology *Inaugural Winner* **(2013)**   bergeron.jsideris.com
COM DEV Engineering Design Award *for an Eye-Controlled Computer Interface* **(2013)**   tbd.jsideris.com
York Engineering Competition *3-Time 1st Place Winner* **/ Ontario Engineering Competition** *Finalist* **(2010, 2011, 2012)**

Education, Personal Development, and Leadership

Lassonde School of Engineering at York University (2014)
BEng Honors program with a specialization in Computer Engineering.
The Next 36 via University of Toronto School of Continuing Studies (2013 Cohort)
Participated as one of Canada's top 36 student entrepreneurs via a rigorous national selection process to receive 8 months of mentorship from some of Canada's top business leaders, a comprehensive offering of in-kind resources, and academic instruction from some of the world's top faculty.
Founder of Robot Fighting Club @ YorkU (2010), Robogals Chapter @ YorkU (2012)
Hosted seminars and competitions for YorkU community, and designed an ambitious 120-pound killer pneumatic-axe-wielding robot to compete in RoboGames. In 2012, we became the first Canadian chapter of Robogals – an organization promoting women in STEM by teaching young girls how to build robots.
Executive of York University Fencing Club
Armourer (2009-2011), webmaster (2010-2013). Developed an online customer processing system in PHP + MySQL.

Publications

Foad Hamidi, Thomas S. Young, Josh Sideris, Ramtin Ardeshiri, Jacob Leung, Pouya Rezai, and Barbara Whitmer 2017,
Using Robotics and 3D Printing to Introduce Youth to Computer Science and Electromechanical Engineering
In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems* (CHI EA '17). ACM, New York, NY, USA, 942-950. DOI: https://doi.org/10.1145/3027063.3053346

Joshua Sideris 2015,
POINT OF SALE SYSTEM, SCANNER, AND METHOD, United States Patent Application No. 62/236283.
A hand-held scanner for automatic produce recognition using machine learning.
USPTO. Document: http://jsideris.com/documents/pepi.pdf

Notable Open Source Projects

DOThtml - http://jsideris.com/DOThtml/
A powerful client-side page builder written entirely in JavaScript with the least syntax noise of any JS page builder.

DOTcss - http://jsideris.com/DOTcss/
A powerful style builder and DOM animation engine for the web.

Sequencr.js - http://jsideris.com/Sequencr.js/
Uses timeouts or promises to chain functions together or emulate a JavaScript "sleep" functionality.

Kerbal Space Program Advanced Mission Planner - http://bizorke.com/AdvancedKspMissionCalculator/
External calculator that help you design a rocket ship for any mission!

Gats.io Community Patch - http://gats.rocks/
Fixes a bunch of bugs I found snooping around in the gats.io source code, and adds some awesome features.

Personal Websites

Sites
jsideris.com, saucers.space, bizorke.com, ladonlabs.com

Social Media
youtube.com/jsideris, youtube.com/bizorke, github.com/jsideris