

Laurence Pike

Systems Engineer & Full Stack Developer

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Skills

Javascript (ES6)	React, redux, backbone	SASS
Ruby on Rails	Back end service development	RESTful API Design
HTML5, CSS3	Image Processing, Pattern Recognition	VBA, Bash, Perl
C++, Java, Python	Machine Intelligence	

Experience

Archon Systems Inc August 2013 - current
Web Application Developer

Product design (UX/feature design) and full stack development of inventory management SAAS app Carta (Rails/Backbone.js)

Designed and implemented Jenkins CI automated testing system

Front-end development (React/Redux/ES6/Webpack/CSS3) of secret inventory management SAAS app

Lead CSS developer, management of developing scalable CSS

Amazon.com Inc May 2012 - Aug. 2012
Software Development Engineer

Developed server side operations for the CloudDrive Photos team

Developed an asynchronous workflow system to import large numbers of user's Facebook photos

ARUP Corporation Sept. 2011 - Dec. 2011
Software Developer

Developed pedestrian simulation software, pedestrian wayfinding algorithms

Developed 3D geometry importation of building layout, intelligent sorting of object types

Developed a corner detection algorithm and pedestrian response algorithm to simulate pedestrian-corner interaction correctly

Wrote test suite to automate regression testing and produce output documentation

Altera Corporation Jan. 2010 - Aug. 2010
Software Developer

Developed and maintained modeling and testing infrastructure for FPGA CAD tools

Statistical analysis and correlation of model data to track code progress

Wrote and debugged applications, modules and scripts in C++, Tcl, Perl, Python, VBA, HTML and Java

Education

University of Waterloo
Bachelor of Applied Science - Systems Design Engineering

Standalone Digital Pen (Sep. 2012 - April 2013)

Design of standalone digital pen that could digitize written information using accelerometer and gyroscopic data

Implemented signal filtering and kinematic algorithm

Designed and wired electronics

FIXIT (Jan. 2012 - April 2012)

Development of a problem submission tool such that users could take a photograph of a problem (a broken stop sign, burnt out street light, ect.) and the appropriate solver would be notified

Designed back end problem classification and sorting algorithm

Developed Android and App Engine web applications

*Other
Projects and
Interests*

ChequePlease

Side project bringing a digital rewards program to restauranteers, back-end ruby on rails engineer, look for us in Hamilton, ON soon!

Reading

Whether classic, sci-fi, non-fiction or light reading I'm always looking to relax and learn with a good book, friend me on [Goodreads!](#)
