Shawn Walton

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Education

University of Illinois at Urbana-Champaign — 8/12 - 5/16

B.S. in Computer Science, 3.4 GPA
Minor in Astronomy
Classes:
Data Structures, Systems Programming, Interactive 3D Graphics, Algorithms & Models of Computation, Applied Parallel Programming, Computer Architecture, Real-Time Systems, User Interface Design, Multimedia Systems, Programming Languages and Compilers, Numerical Methods

Experience

The Dow Chemical Company — 2/14 - 5/15

Worked in a small team to create single-page applications using KnockoutJS, Durandal, and Microsoft Web API

University of Illinois at Urbana-Champaign — 2/15 - 5/15

Graded code and written assignments for CS 484 Parallel Programming

TigerText, Inc. — 6/15 - 8/15

Worked on a single-page messaging webapp using KnockoutJS, Node.js, and Redis

Skills

Web — 4 years

JavaScript, CSS3, SCSS, LESS, KnockoutJS, Durandal, Django, JQuery, WebGL, Node.js, Flask, Redis, Microsoft Web API, MySQL

High-Performance Computing — 3 years

C, C++, OpenMP, MPI, OpenCL, CUDA, MIPS assembly

Native Development — 6 years

C#, WPF, Kinect, Java, Android, Python, OCaml, GStreamer

Projects

Personal

CUDA-accelerated image recognizer (CUDA, C), OpenCL-accelerated fractal generator (C, C#), multithreaded Klondike Solitaire solver (C#), WebGL Mandelbrot fractal viewer (JavaScript, GLSL)

Professional

Secure messaging app web interface (TigerText, HTML5, Node.js, Redis), prototype of Raspberry Pi + Android app motion detector, WPF-based robot control software (Dow Chemical, C# WPF), single-page Excel replacement webapp (Dow Chemical, C# Web API, MySQL, HTML5)