

Zachery Tillotson

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Professional Experience

Company Name: Labjack Corporation 3232 S Vance St #100, Lakewood, CO 303-942-0228 Dec. '11-Present
Position: Software Engineer

Responsibilities

- ❖ Developed and supported line of physical world interface devices
- ❖ Supported and upgraded line of device drivers for Windows
- ❖ Designed and wrote new client interface application in C++ and Qt using the QWT graphical library

Company Name: Self Employed 32 S Holman Way #3C, Golden, CO 303-432-5123 Aug. '11-Present
Position: Web Programmer

Responsibilities

- ❖ Designed, coded, and maintained many websites, both from scratch and customizing popular frameworks such as Wordpress.
- ❖ Flexibly used many combinations of PHP, HTML, CSS, Javascript, and Bash scripting depending on client needs
- ❖ **GoldStarMassageTherapy.com** - Created for a recent massage therapist graduate. The client needed a site for advertising, reference, and to manage client scheduling.
- ❖ **ExcitedMuch.com** - Personal website with links to other work I have done.

Company Name: Tyler Technologies 14142 Denver West Pkwy #350, Golden, CO 303-271-9100 Mar. '10-Aug. '11
Position: Software Engineer

Responsibilities

- ❖ Developed enterprise level local government tax and assessment applications in Java using MS SQL Server
- ❖ Extended functionality of existing applications to support new customers
- ❖ Communicated directly with clients and with support technicians to resolve technical issues
- ❖ Consistently identified opportunities for optimization and UI standardization, improving long term code maintainability
- ❖ Experienced scrum environment, both in small two developer team and larger eight developer team
- ❖ Active in and promoted company-wide extracurricular activities

Company Name: Sun Microsystems 500 Eldorado Boulevard, Broomfield, CO 303-464-4000 Nov. '07-Mar. '10
Position: Software Engineer

Responsibilities

- ❖ Member of internal business intelligence operations group
- ❖ Ported product registration client to Windows in C, including new installer which was included with millions of downloads.
- ❖ Developed ETL processes including a focus on optimized Oracle SQL statements to merge large number of disparate product download and registration data sources into very large data warehouse.
- ❖ Created business intelligence web portal serving salesmen, product managers, and company management using Java EE and HTML pages with Ajax functionality.

Company Name: Evergreen Research 433 Park Point Dr # 140, Golden, CO 303-526-7402 Mar. '10-Aug. '11
Position: Contract Software Engineer

Responsibilities

- ❖ Developed custom installation and deployment scripts
- ❖ Compiled and documented secure operating systems environment used by embedded medical device

Education

M.S. Computer Science **Colorado School of Mines** 2010-2012

Research Interests: Data Mining, Artificial Intelligence, Machine Learning, Simulation, Web Programming.

B.S. Computer Science **Colorado School of Mines** 2003-2007

Technical Skills

- ❖ Excellent skills with PHP, HTML, CSS, XML, Java, J2EE, C++, Bash scripting, SQL, Oracle SQL Server, MySQL SQL Server, MS SQL Server, JUnit unit testing, Scrum methodology, Rally Software, Qt Toolkit, Qwt Graphics Library
- ❖ Experience with C, Ruby, Ruby on Rails, DOS scripting, Windows MSI

Other Experience

- ❖ Medtronic Navigation Student Intern during Colorado School of Mines Summer Field Course (May 2006-August 2006)
- ❖ Colorado School of Mines Technology Consultant (2004-2007)