



Braden Walters

Résumé / Curriculum Vitae

Personal Information

Nationality **US American.**
Born **23 February 1993, Youngstown, Ohio.**

Education

Academic Education and Professional Development

Aug 2011 - May 2015 **Youngstown State University, Youngstown, Ohio.**

- o B.S Computer Science
- o Minor: Mathematics
- o Graduation Date: May 2015

GPA, 3.68 on a 4.0 scale.

Jun 2013 – Aug 2013 **The Learning Egg, LLC, Internship as Software Developer using Ruby on Rails.**

- o Internship through NOCHE and PICAM

Secondary School

Aug 2007 - Jun 2011 **High School, McDonald High School, McDonald, Ohio.**

Language Skills

English	Native Language	
German	Advanced Knowledge (self-estimated C1)	<i>Self-taught since Dec. 2010</i>
	o TestDaF Exam Level 5 in Reading Comprehension, Listening Comprehension, and Verbal Expression	
	o TestDaF Exam Level 4 in Written Expression	
Swedish	Basic Knowledge (self-estimated A1)	<i>Self-taught since Aug. 2011</i>

Qualifications

Software Development

Operating Systems	GNU/Linux.
Programming Languages	C, C++, Python, Java, JavaScript, PHP, Ruby, CoffeeScript, C#, Clojure, Haskell, TypeScript.
Software Concepts	Game AI, Compiler Design.
Mathematics	Calculus, Matrix Theory, Group Theory.
General Tools	Git, PostgreSQL, RabbitMQ.
Tools for Server-Side Web Development	Ruby on Rails, Django, Yii Framework, Microsoft MVC, Zend Framework 1, Hakyll.
Tools for Client-Side Web Development	React, Angular, jQuery, Underscore.js.

Tools for Mobile
Development

Tools for Application
Development

Tools for Graphics Software
/ Game Development

Android SDK/API.

Qt.

OpenGL 2.1, OpenAL, Bullet Physics.

Work Experience

Since Feb 2017

HicknHack Software GmbH, *Client projects in C++, C#, and TypeScript with Qt, React, and Angular .*

Jun 2015 - Jan 2017

Unister Travel Betriebsgesellschaft mbH, *Backend administration web software and automation for flight portals in PHP.*

Sep 2013 - Feb 2015

Brilex Industries, Inc., *Web software for internal usage in C# with Microsoft MVC.*

Nov 2011 - Sep 2014

Learning Egg, LLC., *Development of the Lightning Grader in Yii/PHP and later Ruby on Rails.*

Oct 2011 - Mar 2013

YSU Biology Department, *Development of the Plant Alternative Splice Database in PHP.*

Research Publications

Computer Science

- 2015 **Shaffer, T., Wise, J., Walters, B., Müller, S., Falcone, M., Sharif B.,** *iTrace: Enabling Eye Tracking on Software Artifacts Within the IDE to Support Software Engineering Tasks*, 10th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2015), Tool Track, Bergamo, Italy, August 30 - September 4 .
- 2015 **Kevic, K., Walters, B., Shaffer, T., Sharif B., Fritz, T., Shepherd, D.,** *Tracing Software Developers' Eyes and Interactions for Change Tasks*, 10th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2015), Bergamo, Italy, August 30 - September 4 .
- 2014 **Walters, B., Shaffer, T., Sharif, B., and Kagdi, H.,** *Capturing Software Traceability Links from Developers Eye Gazes*, International Conference on Program Comprehension (ICPC'14), ERA track, Hyderabad, India, June 2 – June 3 2014, pp. 201-204..
- 2013 **Walters, B., Falcone, M., Shibble, A., Sharif. B.,** *Towards an Eye-tracking Enabled IDE for Software Traceability Tasks*, 7th International Workshop on Traceability in Emerging Forms of Software Engineering (TEFSE 2013). San Francisco, CA, 19 May 2013. pp 51-54..

Bioinformatics

- 2013 **Walters, B., Lum, G., Sablok, G., Min, XJ.,** *Genome-wide landscape of alternative splicing events in *Brachypodium distachyon**, DNA Res. Volume 20 Issue 2. pp 163-171..

Free and Open Source Software Projects

GitHub Profile

<https://github.com/meoblast001>.

since Feb 2016

PayPal REST Client for Haskell, *Library in Haskell which communicates with PayPal's REST API.*

since Aug 2015

Hakyll Sass, *Compiler binding for Hakyll which uses libsass to compile Sass files to CSS.*

since Nov 2013

Thugaim, *2D video game for Android in Java.*

since Aug 2011

KKSystem, *Digital flash card system originally on Django in Python and now in Ruby on Rails.*

Achievements and Other Experience

Study Abroad

Jan 2014 - Apr 2014 **Studied in Lüneburg, Germany through USAC.**
Nov 2013 **Benjamin A. Gilman International Scholarship**, *Awarded to study abroad in Spring 2014.*

Computer Science

Dec 2012 - Dec 2014 **Eclipse Plugin iTrace**, *Development of the plugin for traceability with eye trackers in the YSU SERESL lab.*

Jan 2012 - May 2013 **President of the Student Chapter of the ACM at YSU.**

Nov 2011, 2012, 2013 **ACM International Collegiate Programming Competition (ICPC)**, *Competed in competition.*

Academic Achievements

Autumn 2011, 2012, Spring 2013 **Dean's List for Good Marks/Grades.**

Presentations

11 February 2015 **An Introduction to Higher Order Functions**, *YSU Association for Computing Machinery.*

3 November 2014 **International Studies and Study Abroad**, *Presented four times in government and politics classes at McDonald High School.*

19 May 2013 **Towards an Eye-Tracking Enabled IDE for Software Traceability Tasks**, *TEFSE 2013.*