

Brian Henry

Polite, punctual, proficient, programmer

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Experience

Enhanced Athlete – Software Engineer 4/17 – current

Swift – iOS/tvOS; PHP – WordPress/WooCommerce

WooCommerce and WordPress developer building numerous plugins to improve customer experience, integrate with back-of-house APIs, and automate employee workflows;

iOS and tvOS developer providing customer order push notifications, comment and forum reply notifications, new content updates and big-screen video player.

Plate IQ – iOS Developer 9/16 – 3/17

Objective C, Swift, AV Foundation

Worked with Y Combinator 2015 company Plate IQ, who provide invoice digitization and analytics to restaurants, enhancing their iOS app to automatically find and capture invoices in photos for later OCR processing and to enable in-app stock taking.

Techneolas – IT Administrator 2005 – 2016

PowerShell, PHP, Google Apps Script

Managed the complete IT systems in three schools in Dublin, covering Windows Active Directory, Google Apps for Education, WordPress, and streamlining office procedures using PowerShell and Google Apps Script.

AIB – Software Engineering Intern 2005, 2006

ASP, MS SQL, JavaScript, ITIL

Designed and built a database to record the relationships between services in Allied Irish Banks Global Treasury as part of the company's implementation of the IT Infrastructure Library best practices framework.

Education

MSc Computer Science 2015 University College Dublin

Research project: *Vein to Brain*, a collaboration with St. Vincent's University Hospital for visualization and quality control of blood test results. Built in Java using DropWizard, GWT, HighCharts and Mongo, with Maven, JUnit and Mockito.

MSc Technology and Learning 2009 Trinity College, Dublin

Dissertation: *Overcoming misconceptions in constructivist learning*, a chat-bot built using PHP and jQuery to address scientific misconceptions held by second-level students.

BEng Electronic Systems 2006 Dublin City University

Final-year project: *Using JABWT to take advantage of free SMS messaging*, a J2ME-Bluetooth app and Java desktop service to send SMS messages using operators' free web-texts.

Achievements

17th Annual Educational Technology Conference of the Irish Learning Technology Association 2016

Presented findings based on legal education MOOCs worked on over the previous three years.

Hackathons 2015 – 2016

Prize-winner at ten Irish hackathons with my original ideas.

Oxygen SMedias Best Student Website 2007

Built and managed the website for Trinity College, Dublin's newspaper, Trinity News, which won the award for Best Student Website in Ireland. *PHP, MySQL*.

Mensa tested IQ of 150 2000

Scored in the top 2% of the population on a Mensa IQ test taken while competing at the Young Scientist & Technology Exhibition.

Activities

Open Source Projects

StopPro: iOS app using Bluetooth to control GoPro cameras using Siri shortcuts. *Swift, MVVM, CoreBluetooth, Siri Intents*.

Bikeshare Siri Shortcuts: Siri shortcuts for finding the nearest available bike share bicycle. *Python, AWS Lambda, Siri*.

XMPP Framework Logger: iOS jailbreak tweak to log XMPP communication for reverse engineering. *Theos, Objective-C*.

FOMO: Events and news aggregator for Irish universities. *Swift, Objective-C, GWT, GAE-Java, Facebook API*.

WordPress: Core contributor to WordPress and have personally published over 50 WordPress and WooCommerce plugins and related tools on GitHub, and contributed to many more. *PHP, JS*.

Volunteer Work

Environmental Council of Sacramento.

Sacramento Area Bicycle Advocates.

Irish Immigration Pastoral Center.

Hacker Lab

Member of the local makerspace and have taken classes in metalwork, welding, 3D printing, laser-cutting and more.

Completed Further Study

Practical Deep Learning for Coders MOOC by Fast.ai. *Deep Learning Certificate Part II* by Fast.ai at the University of San Francisco.

Divide and Conquer, Sorting and Searching, and Randomized Algorithms and *Graph Search, Shortest Paths, and Data Structures* by Stanford University on Coursera.

Understanding the Law in a Digital Age technology law MOOC and *Privacy, A Human Right for the Digital Age* data protection law MOOC by Law Society of Ireland.