

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.

Technolas – 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

BikeLook 2016

Co-founded bicycle theft startup BikeLook, built the proof of concept, and helped secure funding and support from Enterprise Ireland and Dublin City Council.

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. Built using PHP and 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

Projects

FOMO: an events and news aggregator using the Facebook API on GAE with a GWT web frontend and iOS apps for five Irish universities.

FixedGear: iOS app for locating bike racks in Dublin, Ireland, using Dublin City Council's open data.

StopPro: Adds Siri shortcuts for turning off GoPro cameras via Bluetooth Low Energy.

Open Source Contributions

Code contributor to projects for Code for America, Coder Dojo, popular WordPress plugins including WooCommerce and wpDiscuz, and multiple iOS projects in which bugs were encountered. Over 20 personal GitHub repositories across Swift, Java, PHP, PowerShell, Objective-C and JavaScript.

Ongoing Study

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

Completed Stanford University's algorithms courses on Coursera: *Divide and Conquer*, *Sorting and Searching*, and *Randomized Algorithms and Graph Search*, *Shortest Paths*, and *Data Structures*.

Completed Fast.ai's *Practical Deep Learning for Coders* MOOC and am currently enrolled in Fast.ai's *Deep Learning Certificate Part II* at the University of San Francisco.