

Joe Barrett

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Education

Edinburgh Napier University

2013–Present

Dissertation: Calculation of Mountain Bike Setup through Mobile Image Analysis

BEng(Hons) Software Engineering

Predicted 1st

University of the Highlands and Islands

2012–2013

HNC Computing

Pass

Employment

Cadence Design Systems

Intern

May 2016–September 2016, Livingston

- Maintaining and adjusting performance tests for Virtuoso software
- Wrote performance testing suite in Python, including automated emailing, data analysis utilities, and automatic debugging
- Notified engineers on failing tests and assisted in debugging
- Created performance tests to compare product platforms
- Presented during internal conference for interns and summary of work at end of internship

Edinburgh Napier University

Student Demonstrator

January 2016–May 2016

- 2nd year Mobile Applications Development
- Assisting lecturer during practical sessions
- Answering questions from students related to mobile programming
- Presented during lecture on previous year's coursework

C&G Cycles

Assistant Manager and Mechanic

January 2014–January 2015, Edinburgh

- Assembling high end custom road bikes
- Setting up, updating, and customising electronic gear systems
- Attending trade shows and manufacturers events

Twelve50 Bikes

Workshop Manager and Sales Assistant

April 2011–June 2012 & May 2015–August 2015, Frodsham

- Repairs
- New builds
- Assembling high end custom road and mountain bikes
- Maintaining stock of workshop supplies
- Assembling and maintaining race bike fleet
- All aspects of sales

Cheshire Oaks Cycles

2nd Mechanic and Sales Assistant

March 2010–April 2011, Ellesmere Port

Same as previous, including:

- Creating various graphics including price tags and shop jerseys
- Stock processing

Graham Weigh Cycles

October 2007–June 2009, Queensferry

- Repairs
- New Builds
- Refurbishing and selling second hand cycles
- Building custom road bikes
- All aspects of sales
- General shop cleaning and maintenance

2nd Mechanic and Sales Assistant

Skilled Training

Cycle Scotland

April 2016, Edinburgh

Cycle Assistant Qualification

Coed y Llandegla Courses

February 2011, North Wales

CTC Trail Leader Qualification

Whistler Blackcomb

August 2009, Whistler, Canada

Instructor Development Programme Level 1&2

Institute of Leadership and Management

August 2009, Whistler, Canada

Level 3 Award

Cycle Wales

October 2007, North Wales

City and Guilds: Cycle Maintenance

Skills Profile

Languages.....

Java: Intermediate

Classes, Multithreading, Design Patterns, Swing

Python: Intermediate

Lambda functions, List comprehensions, subprocesses

C: Basic

C++: Intermediate

C#: Intermediate

Android: Intermediate

Bash/CSH/ZSH: Basic

General Computing.....

Linux: Everyday usage

Micro-controllers: Test

Test: Test

Test: Test

Interests and Achievements
