Callum Grant Tolley

As an aspiring third (penultimate) year computer science student currently at the University of Birmingham, I am currently searching for a summer internship in 2018 in the computing industry, ideally as a software developer. I am an enthusiastic programmer, and competent in C, C++, Python, JavaScript, PHP and Java. I have experience working in a professional environment, most recently as a software developer collaborating with the Lapworth Museum and Millennium Point, developing bespoke applications to meet their commercial needs.

In my spare time I am a dinghy instructor sailing at my local club, coaching young people in the fundamentals of sailing, such as sailing a course and tying knots.

Experience

University of Birmingham IT Innovation Centre

Software Developer — Summer 2017

I developed a game for the Lapworth Museum for use as an educational game, and a promotional tool. The game was developed to engage young people in the museum exhibits.

Tech used: HTML5, CSS, TypeScript

Millennium Point

Contract Software Developer — Summer 2017

I co-created LINC (http://lincgraph.co), a 3D visual networking tool, for Millennium Point's CONNECT space launch.

Tech used: HTML5, CSS, JavaScript, Three.js

The Talbot Inn

Waiter — Summer 2016

I worked in a high-pressure environment serving customers I developed my skill to interact professionally with customers.

Papercourt Sailing Club

Sailing Coach — 2013-2015

Responsible for organising fun and engaging sessions for young sailors. Achieved Powerboat Level 2 Certificate, RYA Dinghy Instructor and First Aid certificate.

Squires Garden Centre

Sales Associate — 2014-2015

Worked in a team to provide excellent customer service in a busy garden centre. Trained in customer relations and service.

Interests

I am a member of Explorer Scouts and have been involved in organising many expeditions, the largest one so far to Austria with 60 people. I am also a regular participant at hackathons, the most recent being HackTheMidlands, in September of 2017. In 2016 I received the first place prize for my team's hack, BR.

Education

University of Birmingham

MSc Computer Science   2015-2019

First year: 76.83% – 1st
Second year: 78.08% – 1st

Howard of Effingham School

2008-2015

A-Level - Maths, Physics, Further Maths, Computing - AABC
GCSE - 2A* in Maths and Graphical Design, 4As including Computing

Skills

Languages: C, C++, Java, Python 2/3, PHP, HTML5 / JavaScript / CSS3, TypeScript, Haskell, OCaml

Libraries: GTK+, SDL, OpenGL, Django

Tools: Git, Bash, Apache, MySQL, Unity, AWS, Pip, virtualenv, Linux, Windows

Projects

FlappyClone

I was interested in JavaScript, so I created a game that mimicked Flappy Bird over the course of a week. The game has a global leaderboard accessed using PHP, and backed by a MySQL database. The site is hosted on an AWS server.

Portal

As an experiment with OpenGL and GLFW, I created a 3D demo application that displays a scene with portals that can be looked through.

Full details of all my projects are available at trolleyman.org

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