CHARLIE HEWITT
Curriculum Vitae

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PROFILE

I'm a 21 year old student currently reading computer science at the University of Cambridge. I'm hoping to secure an internship in the software development field for summer 2017; I'd like to pursue a career in the design and implementation of software systems after graduation. I'm particularly interested in web based, game, graphics and mobile development. A portfolio of my recent work is available at chewitt.me.

SKILLS

- Programming in Objective-C using Xcode in the design of applications for the iOS platform.
- Programming in Java using Eclipse and IntelliJ, including deployment to Android devices.
- Programming in C# using MS Visual Studio.
- Programming in C/C++, Python and Standard ML.
- Using HTML/CSS, PHP and javascript in the production of websites, including AngularJS and frameworks such as Bootstrap and Foundation.
- Source code management using Git.
- OpenGL shader programming using GLSL.
- Graphical design experience including UI, UX and icon design using Adobe Photoshop.
- Using the theos development environment to develop mobile substrate tweaks for iOS.
- Using the Cocos2D framework and Box2D physics engine in game development for mobile devices.
- Proficient user of Mac OS, Linux and Windows operating systems.
- Extensive experience with Microsoft Excel, as well as word processing including use of $\LaTeX$.

EXPERIENCE

EXCEPTIONAL TALENT INTERN – JAGEX GAME STUDIOS – SUMMER 2016
Three month internship as part of a small team, focussed on projects involving the prototyping and development of potential future business opportunities for Jagex.

WEBMASTER – TRINITY HALL BOAT CLUB – 2014–PRESENT
Maintaining and updating the club website (trinityhallbc.co.uk), including website redesign and implementation of online captaincy election system.

TREASURER – TRINITY HALL JUNE EVENT – 2016
Management of £150,000 budget and assistance in production of event hosting 2000 guests celebrating the end of the academic year.

EDUCATION

TRINITY HALL, UNIVERSITY OF CAMBRIDGE – 2014–PRESENT
Studying for a BA in Computer Science; achieved a 2.1 in first and second year.

JOHN HAMPDEN GRAMMAR SCHOOL – 2007–14
A Level
- A* in Mathematics, Further Mathematics and Chemistry
- A in Physics
AS Level

- A in Mathematics, Further Mathematics, Chemistry, Physics and Geography

Cambridge iGCSE
- A* in Mathematics

GCSE
- A* in Mathematics, Physics, Chemistry, Biology, Music, Industrial Technology, Geography, English Literature, French, Religious Studies (half course) and ICT (half course)
- B in English Language

ACHIEVEMENTS / INTERESTS

- Participant at Hack Cambridge Recurse 2017, successfully producing an IoT mail sensor.
- Lower Boats Captain and coach for Trinity Hall Boat Club.
- Second place at Jane Street's eth0 hackathon 2015 and again at eth1 2016.
- Design, development and production of 'Flippers Ain't Wings' iOS App.
- Created numerous mobile substrate tweaks with an installation base of over 100,000 iOS devices.
- Winner of 'Most Promising Developer of 2015' and runner up 'Best Novelty Tweak of 2015' at the Jailbreak Awards 2015.
- Rowed and sculled as part of the first men's squad at Trinity Hall Boat Club.
- Play guitar, bass guitar, banjo, mandolin and piano.
- JHGS Orchestra (2010-11), Jazz Band (2011-14) and Senior Jazz Band (2012-14).
- Orchestra bassist in JHGS productions of Beauty and the Beast (Dec 2011) and The Phantom of the Opera (Dec 2012).
- Management of $11,000 budget for month long overseas expedition.

REFERENCES

Prof. Simon Moore
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