

David W. Arnold

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Computing

- OS's** ⚡ Mac OS, ⚡ iOS, ⚡ Windows 7/10, ⚡ Ubuntu
- Skills** ➔ UNIX CLI, ➔ Java, ➔ Git, ➔ HTML & CSS, ➔ PHP, ➔ JavaScript (w/ jQuery, AJAX, jQuery UI & React),
MySQL, ➔ Erlang, ➔ C & C++, ➔ Rust, ➔ Haskell, ➔ OCaml, ➔ R, ⚡ AppleScript, ➔ Docker,
Markdown, ➔ LATEX, ➔ JetBrains IDEs, ➔ Cryptography, ➔ Mathematics
- Projects** ➔ My First Website (PHP, HTML & CSS, JavaScript (w/ jQuery)) | ➔ CSV to TXT Converter (Java)
➔ Timestamp Media (AppleScript) | ➔ Ciphertext Decryption (Java)
➔ IoT BLE & Motion Detection Device (C++) | ➔ IoT Central Server (Java)
➔ IoT Admin Web App (PHP, HTML & CSS, MySQL)
➔ Learn: Git, GitHub and JetBrains IDEs (Markdown) (Talks aimed at Year 1 and 2 undergraduates)
- Events** 🌎 2017 Cisco University Challenge

Education

University of Kent

Canterbury, U.K.

BSC COMPUTER SCIENCE WITH A YEAR IN INDUSTRY

Sep. 2016 - Jun. 2020

- Year 3: (Predicted grade: 1st)
 - **Research Project** Title: "Quantum Cryptography: Security for the Post-Quantum world": (Predicted grade: 1st)
 - Computer Networks and Communication (Java): **92%** Coursework (Predicted grade: 1st)
 - Computer Security and Cryptography (Java): **89%** Coursework (Predicted grade: 1st)
 - Internet of Things (C++, Java, PHP, HTML & CSS, MySQL): **70%**
 - Programming Language Implementation (OCaml & C++): (Predicted grade: 1st)
 - Programming Languages: Application and Design (Java, Rust & Haskell): (Predicted grade: 1st)
 - (Masters) Data Mining and Knowledge Discovery (R): (Predicted grade: 2:1)
- Year 2: **78%**
 - Algorithms, Correctness and Efficiency (Java): **80%**
 - Web Development (HTML & CSS, JavaScript w/ jQuery, AJAX & JQueryUI, PHP): **95%**
 - Functional and Concurrent Programming (Erlang w/ Haskell): **94%**
- Year 1: **86%**
 - Introduction to Object-Oriented Programming (Java): **97%**
 - Database and the Web (HTML & CSS, JavaScript, MySQL, PHP): **86%**
 - Further Object-Orientated Programming (Java): **94%**

Newberry College

Newberry, SC, U.S.A.

MATHEMATICS MAJOR

Jan. 2015 - Oct. 2015

- I was offered **100%** scholarship (golf and academic) to play for the Newberry College NCAA (National Collegiate Athletic Association) golf team while studying as a Mathematics Major.
- My GPA (Grade Point Average) for the time I was there was **3.80/4.00** (**A**-Grade).

The Open University

Milton Keynes, U.K.

CERTIFICATE OF HIGHER EDUCATION (OPEN)

Jun. 2012 - Jul. 2014

- I studied (part-time) for two years: Computing, Psychology and Mathematics.
- Computing: Overall Continuous Assessment Score: **75%**, Overall Examinable Score: **89%**

The Harvey Grammar School

GCSE (GENERAL CERTIFICATE OF SECONDARY EDUCATION)

Folkestone, U.K.

Sep. 2007 - Jul. 2012

- (A-Grade): Mathematics, Science, Additional Science, English, Design & Technology: Resistant Materials, BTEC Level 2 Certificate in Sport (Distinction*)
- (B-Grade): Physical Education, English Literature, Geography, Media Studies
- (C-Grade): Business Studies, Statistics

Experience

Red Bull Technology / Red Bull Racing

IT STUDENT PLACEMENT

Milton Keynes, U.K.

Jun. 2018 - Jun. 2019

- Responsible for supporting, maintaining and optimising internal systems.
- Expected to work well both individually and as part of a team.
- Main accountabilities during role:
 - Support and manage critical business applications and tools
 - Communication, building relationships and working with people across teams
 - Technical approach to problem solving
 - Participation in project work
 - Identify and propose opportunities to improve processes and systems

IT-Alan

ASSISTANT ENGINEER

Burmarsh, Kent, U.K.

Jun. 2017 - Sep. 2017

- Computer repair & maintenance with a Microsoft Certified Systems Engineer.

Other

UK Driving Licence; Ex-Professional Golfer

Hobbies

Golf

- Before I became a computer scientist, I was a golfer. Growing up my grandfather lived near a golf club and bought me my first set of golf clubs for my 7th birthday. By the age of 19, I had brought my golfing handicap down from 28 to -1. Over the years I represented Kent County Golf Union in various fixtures for their various teams: Kent Under 13's, Under 14's, Under 16's (Captain), Under 18's.
- In January 2016, I relinquished my amateur status and turned professional (aged 19) joining the EuroPro UK Golf Tour for the 2016 season. In August 2016, I hung up my golf clubs to turn my attention to undergraduate study in Computer Science at the University of Kent. Golf remains a passion of mine, and will remain a lifetime hobby.

Motorsport

- Motorsport is a strong passion of mine. I have a broad knowledge of various disciplines of motor racing, and I enjoy learning of new technological developments to make cars faster, safer and more efficient at speed. I enjoy the thrill of driving on track, having invested in multiple track day sessions with tuition from professional racing drivers to better my skill set.

Running

- Running used to be a big part of my regular training routine for golf. When I can I find it helps take things off ones mind and keep the body healthy. I participated in a half marathon in September 2016 and hope to do more half and full marathons in the future. I especially enjoy long runs along the coast.

References

References on request.