

David W. Arnold

🏠 <https://deltawhiskeyalpha.com> | 💻 d-w-arnold | 📧 david-w-arnold | 🔍 d_w_arnold

I'm a software engineer and computer science graduate with a first-class honours degree from the University of Kent. I'm eager to learn new skills and take on roles where I can contribute to real-world projects. I am highly motivated, organised, reliable and work well both independently and as part of a team.

Computing

- Certs** 📄 AWS Certified Cloud Practitioner | 📄 HackerRank Problem Solving 6-Star
- Skills** >_ Unix CLI , 📄 Git , 📄 AWS , 📄 JetBrains IDEs , 📄 Java , 📄 Python (w/ Django) , 📄 Shell , 📄 Docker , 📄 JavaScript (w/ React, TypeScript, jQuery, AJAX & Node.js) , 📄 SQL , 📄 PHP , 📄 HTML , 📄 SCSS , 📄 C/C++ , 📄 Erlang , 📄 AppleScript , 📄 Markdown , 📄 LaTeX , 📄 Cryptography , 📄 Mathematics
- OS's** 📄 macOS & iOS , 📄 Ubuntu & Amazon Linux , 📄 Windows 7/10
- Projects** 📄 My React Website (React, TypeScript, SCSS & AWS Lambda Python) | 📄 Ciphertext Decryption (Java) | 📄 Homebrew Auto-Upgrade (Shell) | 📄 Java HackerRank (Java & JUnit) | 📄 Git Bisect (Java & Maven) | 📄 Lights Controller (Java & JUnit) | 📄 Sudoku Solver (Java & JavaFX) | 📄 IoT Server (Java & JDBC) | 📄 Data-Link Protocol (Java) | 📄 Countdown CLI Game (Java) | 📄 CSV To TXT Converter (Java) | 📄 Python HackerRank (Python & UT) | 📄 Sudoku Solver (Python) | 📄 News Web Crawler (Python) | 📄 My First OpenAPI (Java, OpenAPI & Docker-Compose) | 📄 My First Website (PHP, HTML, CSS & jQuery) | 📄 CV Visualisation (React, D3.js, TypeScript & SCSS) | 📄 IoT Admin Web App (MySQL, PHP & CSS) | 📄 IoT BLE Device (C++ Arduino) | 📄 CLI Address Book (C) | 📄 TCP Packets (Erlang) | 📄 Cipher Quiz (Python, C++ & Erlang) | 📄 Open All Images (Shell & AppleScript)
- Events** 📄 2017 Cisco University Challenge | 📄 Learn: Git, GitHub and JetBrains IDEs (University Talks)

Experience

- 📄 **siHealth** Harwell Campus, Didcot, U.K.
DEVOPS ENGINEER Nov. 2021 - Current
- Lead the company's transition of cloud resources from Azure to AWS.
 - Implemented a new AWS architecture process using AWS Cloud Development Kit (AWS CDK).
 - Tech stack: 📄 macOS , 📄 Git , 📄 AWS , 📄 Python3 (w/ PyCharm, AWS CDK, Boto3) , 📄 Docker , 📄 MySQL
- 📄 **Peach** (Remote) - London, U.K.
JUNIOR SOFTWARE ENGINEER Oct. 2020 - Nov. 2021
- DevOps team member.
 - Tech stack: 📄 Linux , 📄 Git , 📄 AWS , 📄 Python (w/ Django) , 📄 Docker , 📄 SQL , 📄 TeamCity , 📄 Jenkins
- 📄 **Red Bull Technology / Red Bull Racing** Milton Keynes, U.K.
IT STUDENT PLACEMENT Jun. 2018 - Jun. 2019
- 📄 **Other** UK Driving Licence; Ex-Professional Golfer

Education

- 📄 **University of Kent** Canterbury, U.K.
BSC COMPUTER SCIENCE WITH A YEAR IN INDUSTRY (**FIRST-CLASS HONOURS**) Sep. 2016 - Jun. 2020
- Year 3: **82%**
 - 📄 **Research Project** - "Quantum Cryptography: Security for the Post-Quantum world": **1st class**
 - Awarded: Most Exciting Idea for Global Outreach - Sponsored by 📄 TMLEP
 - Computer Networks and Communication (Java): **88%**
 - Computer Security and Cryptography (Java): **92%**
 - Internet of Things (C++ Arduino, Java, JDBC, MySQL, PHP & CSS): **70%**
 - Programming Language Implementation (OCaml & C): **88%**
 - Programming Languages: Application and Design (Java, Rust & Haskell): **88%**

- Year 2: **78%** (Java, Erlang, JavaScript, jQuery, AJAX, PHP, HTML, CSS & Haskell)
- Year 1: **86%** (Java, JavaScript, MySQL, PHP, HTML & CSS)

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) - LEVEL 4

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

Folkestone, U.K.

GCSE (GENERAL CERTIFICATE OF SECONDARY EDUCATION)

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

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 one's 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.