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 CSA-A | ✹ AWS CCP | </> HackerRank Problem Solving 6-Star

Skills
>_ Unix CLI , git 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 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 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.