David W. Arnold

🏠 https://deltawhiskeyalpha.com | 🐱 d-w-arnold | in 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 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) | Simple Questionnaire (MySQL, PHP & Laravel) | IoT BLE Device (C++ Arduino) | IoT Admin Web App (MySQL, PHP & CSS) | 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

💻 **Peach**   *(Remote) - London, U.K.*
Junior Software Engineer   *Oct. 2020 - Current*

- 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*

- Project lead the organisation of new starter hardware and software delivery.
- Volunteered during busy F1 race weekend.
- Designed and implemented a custom Java program to improve productivity.

👥 **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 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.