Efstathios (Stathis) Kapnidis

Mechanical Engineer with Robotics – Software Engineering

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Location: Lewisham London - LinkedIn – GitHub – AZ-900 – CS50-Intro to CS - CS50 Python – TryHackMe -YouTube - Kaggle

Languages:
- English – Fluent
- Greek – Native
- Spanish – Beginner

Right To Work:
- EUSS Pre-settled
- Applying for Fully Settled right now

Experience

- **Founder of a Digital Marketing Agency – 2019 – 2021**
    - My first attempt at a business. I didn't manage to get any clients, and I had to dissolve it when University got busy, but I learned a lot of very valuable lessons, and I got a pretty good understanding of how businesses operate, and the value of personal development as well as reading / training in general.
- **Service Industry**
    - I've worked Back of House and Front of House, including some gigs in events.

Education:
- Mechanical Engineering with Robotics Graduate from the University of Sussex
- CS50 Intro to Computer Science
- CS50 Programming with Python
- Built an Asteroids Clone in C
- Worked with the Evernote API using Python
- Trained AI to play the chrome Dino game using Python
- Trained AI to play the Snake game using Python
- Made my site in Svelte / TS / Tailwind CSS
- REST APIs with Java/Spring Boot
- Completed Over 50 Rooms on TryHackMe

Extracurricular
- Assisted in organising and promoting a Charity Event in Scotland raising about 1500 pounds for animal shelters.
- Lots of personal coding projects. Over 30 on GitHub
- Check out my watering and data collection gardening project using an Arduino Uno WIFI Rev2
- Always working through some course. Like the Harvard CS50 courses
- I read a lot of business and psychology books. Self-help too.
- Learning Spanish
- Play the guitar and the piano

Personal Note:

Mechanical Engineering with Robotics graduate from University of Sussex, passionate about robotics and coding, looking to work on any project or technology that will improve people's lives in a practical and direct way. Finished a DFE software development bootcamp from QA with a 10/10 on the final project on August 2022. Have gone through multiple books and courses on coding and are always going through more. Very excited to get into a workplace and work hard on interesting and complicated problems

Skills and Technology:

- **University Modules:**
  - Foundation Mathematics A
  - Foundation Mechanics
  - Mechanics & Properties of Matter Lab
  - Properties of Matter
  - Applied Technology
  - Electricity & Electronics Laboratory
  - Electricity and Magnetism
  - Foundation Mathematics B
  - Electrical Circuits & Devices
  - Engineering Maths 1A
  - Materials & Manufacturing Processes
  - Programming for Engineers
  - Engineering Maths 1B
  - Engineering Mechanics
  - Engineering Thermodynamics
  - Technical Drawing and CAD
  - Electrical Machines & Power Electronics
  - Engineering Fluid Mechanics - Engineering Mathematics 2
  - Principles and Applications of Strength
  - Embedded Systems, Industrial Automation Systems - Professional and Managerial Skills
  - Systems Analysis and Control - Business and Project Management
  - Control Engineering
  - Numerical Modelling & Engineering Sims
  - Autonomous Vehicles
  - Design of Mechanisms & Machines
  - Robot Design and Implementation

- **Dissertation:**
  - Gardening with a Robot. Used a robotic arm to harvest lettuce on MATLAB

10 Week DFE Bootcamp - 13/06/2022 – 09/2022

  - Agile
  - DevOps
  - Source Control
  - Network Security
  - OS Basics
  - MySQL
  - HTML
  - Python
  - Soft Skills
  - Java Fundamentals
  - Junit
  - Spring
  - Maven
  - Final Project Score: 10/10

Notable Skills:

- **Frameworks:**
  - Svelte
  - Tailwind CSS
  - Bootstrap
  - Linux
  - VMs / Containers / Docker
- **CAD / Simulations:**
  - SolidWorks
  - Space Claim
  - Ansys CFD
- **Personal Skills:**
  - Fast Learner
  - Excellent Communicator
  - Hard Worker
  - Team Player
  - Constantly Learning
  - Strong Analytical Mind
  - Creative Problem Solving
  - Team Leadership
  - Project Management