

# Alsen Aligullu

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## PROFILE

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Highly motivated Software Developer with 1+ year of experience in professional software environments. Currently working as Full Stack Developer.

## EDUCATION

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**University of Essex** October 2018 – November 2019  
*MSc Computational Finance (Merit)* England, UK

- **Relevant Modules:** Quantitative Methods in Finance and Trading, Financial Market Analysis, Computational Models, Big Data

**University of Sussex** September 2014 – June 2018  
*BSc Computer Science and Artificial Intelligence* England, UK

- **Relevant Modules:** Data Structures and Algorithms, Databases, Machine Learning, Software Engineering

## WORK EXPERIENCE

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**Medino** February 2022 – Present  
*Full Stack Developer* London, UK

- Developing office software systems and maintaining the website of an online pharmacy as part of the technology team.
- Working on various tasks including debugging, implementing new features, setting up AB tests, testing and improving existing features.
- Using TDD, CI/CD, agile development methodology
- Technologies: Postgres, Clojure, HTML, CSS, Javascript

**Astriosoft (Freelance Team)** May 2021 – December 2021  
*Software Developer* Nicosia, Cyprus

- Developed several full stack applications as part of an agile team. Most notably a tracking system for a global logistics company, achieving improved customer retention and greater customer satisfaction.
- Formulated multiple complex Database systems using SQL.
- Collaboratively implemented the full Software Development Life Cycle from start to finish.
- Technologies: MySQL, Laravel, HTML, CSS, Javascript

**Near East University** August 2020 – May 2021  
*Junior Software Developer - Robotics Lab* Nicosia, Cyprus

- Repeatedly adjusted Unmanned Aerial Vehicle (UAV) model with the intent for optimal autonomous flight paths.
- Tested existing software of robots for International Robocup Tournament.
- Analysed Requirements and constructed a Project Plan for Automated Cleaning Robot Project.
- Technologies: Python, C, C++

### *Systems Engineer - Günsel*

- Performed Benchmarking and Analysed Requirements as the Advanced Driving Assistance Systems (ADAS) Engineer for a B-segment electric vehicle targeting mass production.
- Created UML diagrams for each ADAS sub-system.

**Immersive Learning Conference** May – June 2020  
*Editor* Online

- Handled the legality of submitted conference papers working together with other editorial team members.

## Code Brotherhood Software

Intern

June – August 2017

Nicosia, Cyprus

- Developed applications using OOP and Database technologies (SSIS) under the guide and supervision of the lead developer at Code Brotherhood.
- Implemented SQL Queries and communicated with clients regarding feature requests.

## PROJECTS

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### Trend Following Trading Strategies

- Devised a program to gather information on the effectiveness of various trend following algorithms for portfolio management.

**Technologies** : Python, Pandas, Numpy

**Relevant Skills** : Time-Series Analysis, Data Modelling

### Compression Based Evaluation of Music

- Implemented a compression algorithm for use of evaluating the differing complexities of music pieces.

**Technologies** : Python, Jupyter Notebooks

**Relevant Skills** : Data Structures and Algorithms, Data Manipulation

### COVID-19 Test Tracker

- Created an automated system in Excel for schools to manage the weekly/monthly test dates of the employees.

**Technology** : Excel

## SKILLS

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**Programming** : Python, SQL/MySQL, Postgres, C++ (Exposure), Clojure, HTML, CSS/Bootstrap, Javascript

**Tools** : WordPress, MS Office (Advanced Excel), Power BI, Tableau, Jupyter Notebooks, JIRA, Git, Linux, Adobe Suite

**Languages** : Turkish (Native), English (Fluent)

## EXTRA CURRICULAR/ACHIEVEMENTS

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- Recipient of EU Scholarship worth €15k for further study (2018)
- Youth Summer Camp - Team Leader, Cyprus (2015-2018)
- Member of the Zumba Society at University of Sussex (2014-2017)
- Winner of National Women Team Indoor Football Tournament, Cyprus (2014)
- Jury Special Prize in Biology - 23rd International Dr. Ibrahim Arikan MEF Educational Institutions Research Project Contest, Turkey (2014)
- Participant in Cyprus Friendship Programme - Bicomunal peace building camp between Turkish and Greek speaking Cypriots (2013)
- Represented Cyprus at International Folk Dance Festivals (2008-2013)
- Passed ABRSM Grade 1-8 exams in piano (2004-2013)
- Member of the School Basketball Team (2005-2010)
- Member of Drama Society (2004-2011)