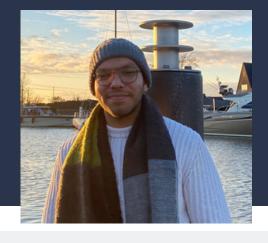# ZOHAIB ZAHEER

STUDENT | SOFTWARE ENGINEER

PERSONAL PROFILE

As a final-year Computer Science student, I bring hands-on experience in software development, notably as a Back-End Developer at a startup. What sets me apart is not only my technical versatility but also my commitment to academic excellence, as demonstrated by maintaining an 8.0 GPA while navigating the challenges of a dynamic startup environment.

WORK EXPERIENCE

Teaching Assistant – Vrije Universiteit
November 2023 – Present
- Teaching Assistant for Statistical Methods Computer Science Bachelor.
- Taught tutorials and practical sessions.
- Graded assignments.

Back End Developer – GrwNxt
July 2022 – July 2023
- Developed and maintained GrwNxt's data infrastructure on the Azure platform.
- Developed proprietary solutions utilizing Arduino, Python, and various Azure tools for efficient data collection, cleaning, segmentation, and processing.
- Wrote proprietary Arduino code, in C++, for sensors to connect wirelessly to Azure IoT Hub and send messages via MQTT.
- Researched and integrated advanced technologies, such as hyperspectral imaging, to automate non-destructive nutrient detection in plants.
- Led the data collection process for an experiment involving 1000 plants at the Netherlands Plant Eco-phenotyping Centre (NPEC) in a laboratory setting at Wageningen University.
- Implemented best software development practices which included version control using GitHub, documentation, and writing secure code.

Program Coordinator – BrightChamps
October 2020 – February 2021
- Facilitated coding and tech bootcamps for school students, supporting BrightChamps in program coordination and project leadership.

Internship – Treehouse Consulatancy LLC
February 2019
- Learnt how to use scikit-learn, Pandas, Numpy, and MatPlotLib in Python.

CONTACT

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- github.com/zohaib-c
- linkedin.com/in/zohaib-zaheer/

EDUCATIONAL HISTORY

Vrije Universiteit Amsterdam
2021 – Present
Bachelor's Degree, Computer Science
Current GPA: 8.0

GEMS Education (Cambridge International School, Dubai)
2017 – 2021
A Levels & IGCSE
A-Level Grades: 2A*, 1A
AS-Level Grades: 4A, 1B
IGCSE Grades: 7A*, 1A

SKILLS

- **Software Development**
  - Requirements Engineering
  - Agile; Scrum
  - Source control; GitHub
  - CI/CD; GitHub actions, Terraform
  - OOP, Data Structures, Algorithms
- **Programming Languages**
  - Python, C, C++, Java, Scala
- **Cloud**
  - Azure Functions, Azure SQL, Azure IoTHub, Azure Stream Analytics
- **Data**
  - Azure Data Studio, Microsoft SQL Server, MQTT

HIGHLIGHTED PROJECTS

- **Cloud Resume Challenge - Azure**
  - A full-stack project to host a static webpage on a cloud server using Terraform to provision resources in Azure.
- **GitHub Repository Scraper**
  - A GitHub repository scraper, written in Java, as part of a software development course.