Mohamed Amin el Bouazrouti

Enthusiastic and dedicated second-year Technical Informatics student with a strong background in electrical engineering and programming. Seeking an internship to apply and enhance my skills in embedded systems and robotics, contributing to innovative projects.

Personalia

Adres:	**Email**:	**Mobile:**	**Birthday:**
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2034 VC Haarlem	amin@bouazrouti.com		

Education

Technische Informatica (aug 2023 – Present)

Hogeschool van Amsterdam, Amsterdam
- Learned C++ to program ESP32 microcontrollers, and used JavaScript and Python for supporting applications in school projects.

Engineering: Elektrotechniek (aug 2022 – 2023)

Hogeschool van Amsterdam, Amsterdam
- Programmed Xmega microcontrollers using C++ during my engineering studies.

Middenkader Engineering Elektrotechniek (Acquired)

Nova College, Hoofddorp

Work experience

Electrical Engineer (10-2022 t/m Present)

TU Delft DEMO, Nederland
- **Development**: Created and tested SPI rack modules used by QuTech, focusing on multi-channel gating, current/voltage sources, and RF reflectometry. Programmed an Arduino ARM-based development board using C++ to control the SPI rack connections between modules.
- **Collaboration**: Work closely with the QuTech team to integrate these modules into their quantum computing and nanoelectronic device projects.
- **Testing and Maintenance**: Perform thorough testing to ensure module performance and reliability, troubleshoot issues and implement improvements.

Elektrotechnisch Engineer (02-09-2020 t/m 19-06-2021)

Dutch Poultry Tech B.V., Hillegom
- **Control Panel Design**: Developed control panels used to operate machinery in poultry slaughterhouses, ensuring precise control and reliability.
- **PLC Programming**: Utilized Mitsubishi PLCs to automate machine operations, enhancing efficiency and safety.
- **System Integration**: Integrated control panels with various mechanical systems to streamline processes and improve overall performance.

Engineer/Inbedrijfsteller Meet- en Regeltechniek (17-10-2018 t/m 24-01-2020)

O.P.M. regel- en besturingstechniek B.V., Haarlem
- **Project Implementation**: Designed and commissioned control panels for high-profile government projects, including installations for Rijkswaterstaat on the Afsluitdijk and an air station for Defensie.

Courses

Basisveiligheid VCA, Basic Elements of Safety (31-08-2018 t/m 31-08-2028)

Pontifex certificatie