

RAANA BANIAMERIAN

Tehran, Iran | (+98) 936 049 1849 | RaanaBaniamerian@gmail.com

[linkedin.com/in/raana-baniamerian-7981381b1](https://www.linkedin.com/in/raana-baniamerian-7981381b1)

EDUCATION

September 2017 – September 2021 B.Eng. Electrical Engineering – Electronics, *Alzahra University, Tehran, Iran*

- GPA: 16.59/20
- Thesis Title: Smart Laptop Cooling Pad Using AVR Microcontroller
Supervisor: Dr. Zhila Amini
- Core member of Alzahra University Electrical Engineering Students' Scientific Association, Head of Public Relations

EXPERIENCE

February 2021 – March 2021 C++ Programming tutor, *Tehran, Iran*

- More than 70 Undergraduate and Graduate Attendees

July 2020 – November 2020 AVR and ARM Microcontroller Programmer, *Internship, Tehran, Iran*

- Coding for Microcontrollers in C and C++
- ARM Discovery Boards and TouchGFX Graphical UI

September 2019 – December 2019 Teaching Assistant, *Tehran, Iran*

- Linear Control in MATLAB

RESEARCH INTERESTS

- Software Engineering and Programming Languages
- Embedded Systems & IoT
- UI Design
- Web and Mobile Applications

CERTIFICATES AND COURSES

Fall 2021 Algorithm and Data Structure, *Coursera* (In Progress)

Summer 2021 Introduction to Operating Systems, *Udemy* (In progress)

June 2015 Java & Android Programming License, *Andishe Pooya Student House, Tehran, Iran*

AWARDS, HONORS, AND ACHIEVEMENTS

September 2021	IELTS Academic – Overall: 7.5, S 7.5, L 9, R 7.5, W 6.5
September 2021	GRE 312 – Verbal: 152, Quantitative: 160
December 2020	Reached the final in SharifICT Programming Competition (C++ & Python)
September 2019	Reached to the final in Quera Programming Competition (C++)
June 2014	3 rd Place in Programming Competition among 60 High Schools of Tehran (C++)

PUBLICATION

R. Baniamerian, Zh. Amini, **Smart Laptop Cooling Pad Using AVR Microcontrollers** (*Submitted*)

ACADEMIC PROJECTS

Spring 2021	Airline Management – <i>In C++ using advanced concepts such as Class, Inheritance, Polymorphism, ...</i>
Fall 2020	Digital Compass – <i>UI of a Digital Compass on an ARM Discovery Board (STM32F746) in C</i>
Fall 2020	Digital & Analog Clock – <i>on STM32F429 Discovery Board and TouchGFX (Graphical UI) in C</i>
Winter 2017	Contact List – <i>In C++</i>
Summer 2013	“Raana+” – <i>A basic clone of Facebook in C++</i>

SKILLS

- Programming Languages: C++/ C, MATLAB, Python, Java, Assembly
- Web Languages: HTML, CSS, JavaScript, React Native (Learning)
- Applications: Proteus, OrCad
- AVR & ARM Microcontrollers

LANGUAGES

- Persian: Native speaker
- English: Fluent