

Abtin Ortgoli

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CAREER PROFILE

As a Computer Engineering graduate from University of North Texas in spring 2023, equipped with a solid foundation in hardware and software systems. My studies encompassed computer architecture, operating systems, and programming languages. I excel at creative problem-solving and am eager to embark on my career and help advance the goals of your company as an Embedded Software Engineer.

EDUCATION

Bachelor of Science (B.S.) - Computer Engineering | ABET accredited Dec 2019 - May 2023
University of North Texas, Denton, TX

- **GPA:** 3.23/4
- **Credits Earned:** 143 Semester Hours

Associate of Science (A.S.) - Computer Science Aug 2016 - Dec 2019
Collin College, Frisco, TX

- **GPA:** 3.25/4

SKILLS

■ Hard Skills:

- **Programming languages:** software design in C/C++ (+7), Python (+5), VHDL, HTML, JavaScript, MATLAB
- **Software:** Arduino IDE, Microsoft Office (Excel, Outlook, PowerPoint, Word), Linux/windows/Real-time OS.
- **Hardware:** Arduino boards (+3), Embedded Systems (+2), FPGA, Raspberry Pi, Microcontrollers.
- **Additional:** Writing technical documents (requirements/Specifications/project plan/test plan/Implementation plan/user guides), Software and Hardware design.

■ Soft Skills:

- Verbal and written communication, analytical, appointment scheduling, creative thinker, problem-solving, multi-Line Phone Systems, reliability, documentation reporting, invoicing, committed, agility for fast paced work, mission-driven, professionalism, and ethical thinking.

ENGINEERING PROJECTS

NASA Design Challenge | UNT - Team Mellowship | Li-Fi System Aug 2022 - May 2023

Links: [Topic_TDC_79_F22 \(utexas.edu\)](https://www.unt.edu/news/topic_tdc_79_f22) | [Spring 2023 Design Challenge Teams \(utexas.edu\)](https://www.unt.edu/news/spring_2023_design_challenge_teams) | [Fall 2022](https://www.unt.edu/news/fall_2022)

- Sponsored by NASA Texas Space Grant Consortium Design Challenge of **2022-2023 (8 mos.)**
- The mission of the project was to Investigate and demonstrate a prototype of Li-Fi technology. In order to illustrate how Li-Fi can communicate with multiple systems and send commands, we as a team of 4 engineers Incorporated voice control, custom printed PCBs, and two controllers so users may be able to hands free control all the built in functionalities.

EXPERIENCE

Front Desk Receptionist | Hours per week: 20 Oct 2021 - Dec 2023
The Evangelical Lutheran Good Samaritan Society, Denton, TX

- Process and submitting over 40 invoices per week accurately.
- Saved time by welcoming and assisting +50 on-site visitors daily and directing them to appropriate personnel.
- Managed digital and analog filing systems to protect confidential data.
- Established and maintained good communications with personnel.

PC Support Specialist | Hours per week: 16 Mar 2017 - Jan 2022
Stellar PC Repairs, Dallas, TX

- Assembling and building 2-5 personal computers daily.
- Diagnosing and troubleshooting hardware issues.
- Installing and configuring software on Linux and windows.