

Ashkan Vafaee

5134 Ganymede Dr.
Austin, TX 78727

(512) 468-3175
ashkanvafaee@utexas.edu

Education

Bachelor of Science, Electrical and Computer Engineering

May 2019

The University of Texas at Austin

Cumulative GPA: 3.72/4.00

Related Coursework: Software Design and Implementation I & II | Embedded Systems | Circuit Theory | Linear Systems and Signals | Discrete Mathematics | Engineering Honors Differential Equations

Experience

Volunteer Assistant, Texas Museum of Science and Technology

8/16 – Present

Software Development – [<https://github.com/ashkanvafaee/Volunteer-Log>]

- Creation of Windows desktop application to track volunteer member data
- Wrote logic to store user input data using an Excel spreadsheet and provide statistical feedback
- Ensured compatibility across diverse systems through intensive debugging and utilization of customized APIs
- Implemented graphical interface designs for intuitive operation and seamless functionality

Docent Work

- Engaged museum clients with hands-on scientific exhibits and responded to questions
- Improved interpersonal and communication skills by working during peak operating hours

Embedded Systems Game Design Project – [<https://github.com/ashkanvafaee/Game>]

1/16 – 5/16

- Development of Pac-Man Classic on a real-time embedded system using a microcontroller and LCD display
- Designed intelligent AI to control in-game NPC's to produce a challenging player experience
- Rapidly prototyped new capabilities including movement logic, sound effects, and game difficulty
- Used efficient coding and debugging techniques to budget memory usage and maintain high framerates
- Rated best in class section out of over 40 other designs

Web Design – [www.ashkanvafaee.com]

12/10 – Present

- Custom designed a personal webpage using HTML and CSS
- Included animated layout elements for a responsive user experience
- Wrote maintainable code for intuitive future modification and ensured compatibility across different devices

Skills

Proficient in C, C++, and assembly language

Experience with Java, MATLAB, HTML

Familiar with Multisim and LabVIEW

Conversational Farsi

Proficient in Microsoft Word, Excel, and PowerPoint

Strong analytical skills and detail oriented

Accomplishments

Recipient, University of Texas at Austin Presidential Achievement Scholarship, 2015-2016

Recipient, Iranian Scholarship Foundation Undergraduate Scholarship, 2015-2016

President/Founder, Anderson High School Table Tennis Club, 2013-2015

Volunteer, Capital Area Food Bank, 2016-Present