

# Milad Ebrahimi

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## PROFILE

Computer science engineer with experience in design and development of real time applications. Experienced in object-oriented programming; developing, testing and debugging code; designing interfaces. Quickly learn and master new technologies; successful working in both team and self-directed settings. Core competencies and experiences include Java, C, Angular, web development, agile methodology and Git. The Showcase of some of the previously performed projects are available at my portfolio website and on the github account.

- **Professional:** Self-motivated, Detail-oriented, Problem Solver, Creative Thinker, Team Player, Fast learner

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## EDUCATION

**Florida International University**, Miami, FL

*B.S. in Computer Science*

Dec 2017

Major GPA: 3.18

- **Related Coursework:** Data Structures, Operating Systems, Database, Software Engineering, Software Testing, Algorithms, Mobile Robotic, Programming II and III (Java and C)

**Miami Dade College**, Miami, FL

*A.A. in Computer Science*

May 2015

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## WORK EXPERIENCE

**Leapfactor.**, Miami, FL

*Software Engineer*

Sept 2017 – Jan 2018

- Developed a foreign exchange comparison web application with RESTful API using MEAN stack.
- Created functional specification for the new feature on *moniesapp*.
- Created sequence diagrams, state machine diagrams.
- Created flow of events documentations.
- Created different reports for management, marketing and development department needs.
- Wrote user stories, use cases, scenarios for the needed features.
- Developed Knowledge base design for *moniesapp*.
- Created functional specification for monies customer support's platform to merge four other services such as Zendesk into one web application.

**Freelance.**, Miami, FL

*Web Developer*

Jan 2016 – May 2017

- Developed Mobile responsive, SEO optimized websites for different businesses.
- Developed an E-commerce website with custom checkout and mail marketing automation.
- Developed a website with a booking system

**Auto Credit & Finance Corp.**, Miami, FL

*Office Manager*

Feb 2009 – June 2013

- Developed and maintained a website for the business
- Created an online payment page
- Provided technical support and problem resolution
- Performed System Upgrades, Updates, Backup
- Prepared documents and contracts
- Cooperated with the sales department to enhance the overall company profit
- Managed all the in-house financing – Software used: Frazer, Credit Manager 4
- Participated in bookkeeping, accounting, and banking procedure

## SCHOOL PROJECTS & DEVELOPMENT

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### Vocabulary in Reading

- Developed the entire front-end in agile environment using Angular framework and software development lifecycle framework and deployed to the AWS. Vocabulary in reading is a web application built on Spring boot for the backend and Angular for the frontend. VIR aids students and teachers, by returning the color-coded enhanced text, readability measurement and statistical reports for text, documents, pdfs and images as an input.
- Technologies used: Angular, Bootstrap 4, HTML5, SCSS, Sprint boots (Java), SQL, AWS, Git.

### Memory management

- Implemented the SLOB allocator (in Linux) to use best-fit allocation algorithms. Resulted in decrease of internal fragmentation within SLOB and increase in speed
- Technologies used: Linux, C.

### Software Testing Project (*System Tester*)

- Performed both Specification-Based Testing and Implementation-Based Testing, created necessary rainy and sunny test cases, wrote numerous scripts to automate the testing process for each test cases, created verification points and test data pool base on the test cases, and improved the code coverage to 84%
- Technologies used: Rational Functional Tester, Cobertura, Java, Eclipse.

### Autonomous Robot

- Programmed an iRobot Create 2 to autonomously traverse a maze using sensors, camera and different algorithms.
- Technologies used: Arduino Uno, Raspberry Pi 3, Ultra Sonic sensor, Python, OpenCV, Linux.

## TECHNICAL SKILLS

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- **Programming languages:** C, C++, CUDA, Java, TypeScript, Python, SQL
- **Frontend:** Angular, HTML, CSS, WordPress, Bootstrap
- **Operating Systems:** Windows, Linux
- **Software development:** Agile/Scrum, UML, Software Documentation, Software Testing, Software Development Life Cycle
- **Project Management Tools:** Trello, Mingle (Thoughtworks)
- **Software:** Microsoft Office, Adobe Photoshop, pgAdmin, Eclipse, Rational Functional Tester, Git, VMware
- **Languages:** English, Persian

## EXTRACURRICULAR ACTIVITIES

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- Miami Dade College Programming Team
- Hackathon (Gainesville | 2017)