

# Pooya Khaloo

RESEARCH ASSISTANT

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## Objective

Current computer science Ph.D. student with in-depth knowledge of mobile application development, Human Computer Interaction, game engines, wearable sensors and machine learning looking for a position that fits my abilities in research, programming and problem solving.

## Education

### University of Massachusetts - Amherst

COMPUTER SCIENCE, PH.D. TRACK

- Advisor: Dr. Narges Mahyar.

Amherst, Massachusetts

Sept. 2017 - Present

### University of Central Florida

COMPUTER SCIENCE, M.S.

- Thesis: Code Park - A New Visualization Tool And IDE.
- Adviser: Dr. Joseph J. LaViola Jr.
- GPA: 3.87

Orlando, Florida

Aug. 2015 - June 2017

### University of Tabriz

COMPUTER SCIENCE, B.S.

- GPA: 3.03

Tabriz, Iran

Oct. 2009 - May 2014

## Skills

<b>Programming</b>	Python, MATLAB, Objective-C, Unity, C#, Java, C++, C
<b>IDE</b>	xCode, cLion, pyCharm, Eclipse, NetBeans, Visual Studio
<b>OS</b>	Microsoft Windows, Mac OS, Linux
<b>Other</b>	Arduino, Raspberry PI

## Experience

### Advanced Human Health Analytics Lab

RESEARCH ASSISTANT

- Investigating the use of gas sensor array in detecting deferent kind of cooking method such as frying, grilling or boiling.
- Developing an acoustic system on handheld or wearable devices to detect moving objects around the user.

Amherst, Massachusetts

Sept. 2017 - Present

### Interactive Computing Experiences Lab (Prof. Joseph J. LaViola Jr.)

RESEARCH ASSISTANT

- Implemented set of gestures which used in virtual reality environment using HTC Vive and Unity.
- Developed a fully worked IDE and visualization tool for Java in 3D environment and explored the effect of this environment on user experience.
- Independently developed several tools that increased team productivity.
- Investigated a new method of gesture and shape recognition for 2D and 3D data.

Orlando, Florida

Jan 2016 - June. 2017

### Seeb Co

CO FOUNDER & SENIOR IOS DEVELOPER

- Managed and guided people in the company toward achieving the company's goals.
- Developed various mobile applications for companies and banks. (*Netbarg* and *Fidilio*).
- Implemented various free application which increased the quality of life of the user such as air pollution tracker (*TehranAir*) and persian keyboard for iOS (*Seebboard*).

Tehran, Iran

Sep 2013 - June. 2015

### Teasa

SENIOR IOS & OS X DEVELOPER

- Developed various mobile applications in various fields ( *Teada - Dots & Boxes*, *Nividar*, *Boursane*, *Bring me up - A zup story* )
- Managed projects as a senior developer in the company.

Tehran, Iran

May 2013 - July. 2014

## Honors & Awards

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2018	<b>Participant in First Designa-Hacka-ton in MIT</b> , Designa-Hacka-ton	<i>Boston, MA</i>
2017	<b>SIGCHI Best of CHI Honorable Mention Award</b> , Computer Human Interaction Conference	<i>Denver, CO</i>
2012	<b>1<sup>st</sup> place</b> , First Tehran Startup Weekend	<i>Tehran, Iran</i>
2011	<b>8<sup>th</sup> place</b> , TAC SCM (Trading Agent Competition - Supply Chain Management) Competition	<i>Barcelona, Spain</i>
2010	<b>2<sup>nd</sup> place</b> , TAC SCM (Trading Agent Competition - Supply Chain Management) Competition	<i>Tehran, Iran</i>

## Publications

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### CONFERENCE PROCEEDINGS

Code Park: A New 3D Code Visualization Tool

**Pooya Khaloo**, Mehran Maghoumi, Eugene Taranta, David Bettner, Joseph Laviola

*2017 IEEE Working Conference on Software Visualization (VISSOFT), 2017*

Jackknife: A Reliable Recognizer with Few Samples and Many Modalities (**CHI 2017 Honorable Mention Paper, Top 5%**)

Eugene M. Taranta II, Amirreza Samiei, Mehran Maghoumi, **Pooya Khaloo**, Corey R. Pittman, Joseph J. LaViola Jr.

*Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, 2017, Denver, Colorado, USA*