Payam Nikdel
Research Assistance
Simon Fraser University
pnikdel@sfu.ca
http://nikdel.tk/

Education

- **Simon Fraser University (SFU)** Burnaby, Canada
  M.Sc. Computing Science *2016 - Present time*
    - Thesis (M.Sc.) in the area of Robotic, Artificial Intelligence
    - GPA: 4.33/4.33; Expected Graduation: May 2018

- **Shiraz university** Shiraz, Iran
  B.Sc. Computer Engineering(Software engineering) *2010 - 2014*
    - GPA: 17.82/20; Achieved the highest GPA among all B.Sc students.

Work Experience

- **System Developer in the IT section** Tehran, Iran
  Petro Gas Jahan Engineering company *May. 2015 - Apr. 2016*
    - Improved the network performance of this company and developing the required software.

- **Android application and web development** Tehran, Iran
  Cafebazaar (a famous reputable App store in Iran) *Apr. 2012 - Sep. 2012*
    - Participated in Creating the Divar Android application and the Divar website using Django.

- **Translator Software** Tehran, Iran
  Text processing Lab at University of Tehran *Sep. 2011 - Jan. 2012*
    - Participated in making an English to Persian translator using C++ language.

Awards, Grants & Honours

Graduate

Fellowship and RA/TA position from The Simon Fraser University 2016
RA/TA position from The University of Alberta 2016
Fellowship and RA/TA position from The University of Victoria 2016

Undergraduate

Ranked 1st in Computer Engineering students 2014
Awarded as the Best Undergraduate Student in Computer Engineering 2014
Ranked 18th in Iranian National Computer Olympiad for university students. 2014

Selected Projects

- **Daydream Ant Algorithm** — Fall 2016
  Dr. Richard Vaughan

- **Person Re-identification Using Point-cloud images (Deep Learning Approach)** — Fall 2016
  Dr. Greg Mori

- **3D Multiplayer Game With AI** — Spring 2014
  Dr. Farshad Khunjush

- **Pure P2P File Sharing Application Written in Python** — Fall 2014
  Mr. Morteza Tajbakhsh

- **Control mouse with eyes or hands** — Fall 2014
  Dr. Zohreh Azimifar

- **Book Shopping Website** — Spring 2013
  Dr. Mostafa Fakhrahmad

- **Making two player 3D game in DirectX** — Fall 2013
  Dr. Reza Rohani

- **GPU Efficient Image Processing** — Fall 2013
  Dr. Farshad Khunjush

- **Course Management System** — Spring 2012
  Dr. Ramtin Khosravi

- **Implementing Minmax and Alpha-Beta pruning in PacMan and Hex game** — Fall 2012
  Dr. Maryam Mirian

- **Small Game Console using AVR** — Fall 2012
  Dr. Omid Fatemi

- **Client Server Program** — Fall 2011
  Dr. Mehdi Kargahi

- **Snake Game With AI** — Fall 2010
  Dr. Ali Hamze

Technical Skills

- **Programming Languages:**
  Python, C, C++, C#, Java, SQL

- **Programming Platforms & Framework:**
  UNITY, UNREAL, CUDA, PTHREAD, OPENCV, OPENCL, STAGE

- **Web Development:**
  J2EE, HTML, CSS, JAVASCRIPT, DJANGO

- **Operating System:**
  Linux, Windows

- **Other:**
  ANDROID, HIBERNATE, LATEX, GIT, MAVEN

---

[1]For more information about my projects, please refer to my website.

Teaching Experience

- **Computing Laboratory**
  Teaching Assistant to Dr. Richard Vaughan
  Simon Fraser University
  Fall 2016

- **Intro.Cmpt.Sci/Programming II**
  Teaching Assistant to Dr. Bobby Chan
  Simon Fraser University
  Fall 2016

- **Digital Design**
  Head Teaching Assistant to Dr. Farshad Khunjush
  Shiraz university
  Fall 2014 & Spring 2014

- **Finite Automata**
  Teaching Assistant to Dr. Eghbal Mansoori
  Shiraz university
  Fall 2014

- **Artificial Intelligence**
  Teaching Assistant to Dr. Zohreh Azimifar
  Shiraz university
  Spring 2014 & Fall 2013

- **Advanced Programming**
  Teaching Assistant to Dr. Ali Hamze
  Shiraz university
  Fall 2013

- **Data Structures And Algorithms**
  Teaching Assistant to Dr. Hesham Faili
  University of Tehran
  Spring 2013

- **Fundamentals of Computer Programming**
  Project Manager to Dr. Hashemi and Dr. Hadi Moradi
  University of Tehran
  Fall 2012

Language Skills

- **Persian**   native
- **English**   fluent

References

- **Dr. Richard Richard Vaughan**
  M.Sc. Supervisor
  Simon Fraser University
  vaughan@sfu.ca

- **Dr. Farshad Khunjush**
  Undergraduate Supervisor
  Shiraz University
  khunjush@shirazu.ac.ir