

# Niloufar Bateni

[broodconflate@gmail.com](mailto:broodconflate@gmail.com) || Adelaide, SA, Australia

## EDUCATION

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### University of Adelaide

Double degree : Bachelor of Electrical and Electronic Engineering & Computer and mathematical science honors ; GPA: 5.875/7

### University of Adelaide

Bachelor of Biomedical science ; GPA: 6.111/7

Adelaide, Au

Transferred to EEE/CS after first year

### National Organization for Development of Exceptional Talents

Pre-University, High school and Middle school; GPA: 3.67/4.0 , 3.84/4.0 and 3.94/4.0 respectively

Isfahan, Iran

Aug 2008 - May 2015

## SKILLS

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- **Languages:** C++ ,C, Python, Matlab and Processing language
- **Technologies:** AWS, GitHub, Heroku
- **Operating systems:** Linux,Windows
- **Electrical related knowledge:** PCB, Arduino and Raspberry Pi. Real-Time embedded systems. Signal Processing. Analog and Digital systems
- **Laboratory:** Experience working in physics,biology and chemistry lab.

## EXPERIENCE

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### Summer Research Scholarship - Physical Sciences - Uni of Adelaide

Adelaide,SA

Supervisor: Prof. Martin O'Connor and BAE systems

Feb. 2019 - Mar. 2019

- **Machine learning:** Using machine learning (CNN) for near infrared camera and LIDAR

### Summer Research Scholarship Uni SA

Adelaide, Au

Supervisor: Prof. Mark McDonnell (Machine Learning)

Jan. 2019 - Feb. 2019

- **Regression:** Estimate the arrival of patients and ambulances to prevent ramping

### Summer Research Scholarship- Electrical Eng-Uni of Adeladie

Adelaide, Au

Supervisor: A/Prof. Mathias Baumert (App development for sleep Apnea)

Nov. 2018 - Jan. 2019

- **app and Platform as service:** Designing a bluetooth app to transfer the pulse oximeter's data to the web app for processing (Under development)

### Brain computer internship Uni of Adelaide

Adelaide, Au

Supervisor: A/Prof. Mathias Baumert and Simanto Saha (Reproducing a BCI paper result)

June 2018 - Oct.2018

- **Using a subject result for another:** Wavelet coherence-based channel selection for classifying single trial motor imagery.

### Video Editing

Adelaide, Au

Supervisor: Dr. Braden Philips (Digital System's Tutorials)

June 2018- July 2018

### Computer science internship Uni of Adelaide

Adelaide, Au

Supervisor: Dr. Yuval Yarom with supervision of Simon Windows from DST (USB Lockdown Project)

Jan. 2017-Nov. 2018

- **Linux App:** A pop up app that alerts the user of existence of USB Rubber Ducky in Linux

### Math tutor

Isfahan, Iran

Pre-University, Highschool and middle school math

Jan 2009- Jan 2014

### Hudson Cafe employee

Adelaide, Au

Employee and Supplement Manager

Jan 2018- Jan 2019

## ADDITIONAL SKILLS & INTERESTS

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- **Professional summary :** I am passionate about research and helping others. Technology, human's brain, physics, astronomy, math and in general sciences and learning are my interests
- **Personal related interest :** Reading, learning,writing. Also good at group work , essay writing. creating plan and developing solutions for unexpected problems.
- **Personal skills :** Punctual. Hardworking. Smart-working. Customer service.Fast learner.