

ERFAN HOSSEINI SERESHGI

9176075440 | 1100 Girod St. Apt. 6H, New Orleans, LA | erfanh1995@aol.com

PROFESSIONAL EXPERIENCE

- Research Assistant, LA-CEAL, Tulane School of Public Health** 2021
New Orleans, LA
- Research Assistant, Geographic Momentary Assessment, Public Health** 2021
New Orleans, LA
- IT Assistant, Tulane Enrichment Program** Summer 2020
New Orleans, LA
- Project Manager, Dynamic Portal** 2015 – 2018
Tehran, Iran
– DP is my own project, a new student info system and LMS for AUT
- Head of IT Guru, AIESEC in Iran** 2017 – 2018
Tehran, Iran
- Front-end Developer Internship, Moduland** Summer 2017
Tehran, Iran

EDUCATION

- Tulane University – New Orleans – Ph.D.** 2018 – 2023
– Computer science, computational geometry, embedded graphs. GPA: 3.8/4
- Amirkabir University of Technology (AUT) – Tehran – Bachelor's degree** 2014 – 2018
– Bachelor of computer science, computational geometry

RESEARCH AND PUBLICATIONS

- Graph Sampling for Map Comparison** (received best paper award) 2021
ACM Sigspatial, Spatial Gems
- Measuring Length-Preserving Fréchet Correspondence for Graphs in \mathbb{R}^2** 2021
Fall Workshop on Computational Geometry (FWCG)
- Improved Map Construction using Subtrajectory Clustering** 2020
ACM Sigspatial, LocalRec
- Computing Relevant Subtrajectory Bundles Faster** 2020
SOCG, YRF
- The Study of Gentrification on Social Urban Simulation - How Income and Interest Can Shape Neighborhoods** 2020
Interdisciplinary project
- Clustering Gene Expression with Polygonal Chain Alignment** 2018
Capstone project

TEACHING EXPERIENCE

Introduction to Discrete Math Lab	Fall 2020
Introduction to Algorithms Lab	Fall 2019
Python game design teacher at Tulane Enrichment Program	Summer 2019
Intro to Computer Science I Lab (Python)	2018 – 2020
<i>Fall 2018, Spring 2019, Spring 2020</i>	
Operating systems Lab/Workshop	Spring 2017
Programming teacher at Helli 4 high school	2014 – 2015
– C++ for freshmen	

LEADERSHIP & ASSOCIATIVE EXPERIENCE

- Senator at Tulane Graduate and Professional Student Association (2020-present)
- AIESEC in UT: IT team leader (2017-2018)
- AIESEC in AUT: marketing designer (Spring 2017)
- AIESEC global volunteer in Guangzhou, China. (Summer 2016)
- Member of scientific association of math and computer science at AUT (2015-2016)

CERTIFICATES

- Java programming from AUT
- Android development from AUT
- Web development and web design from AUT
- CITI Group1. Biomedical Researchers
- CITI Group4. IRB, Biomedical Research

SKILLS & ABILITIES

- Skilled in Python, Java and C++
- Familiar with Ruby, Swift, PHP and SQL
- Familiar with HTML, CSS and Javascript
- Familiar with R and R studio
- Familiar with Adobe Photoshop and illustrator
- Familiar with Git and Visual Paradigm
- Familiar with Android Studio

HONORS & AWARDS

- Best paper award at ACM Sigspatial: Spatial Gems (2021)
- Ranked 6th in the national CS graduate school entrance exam (2018)
- Ranked 150th in the national CE graduate school entrance exam (2018)
- Ranked among top 5 computer science students at AUT (class of 2018)
- Semi-finalist in 2014 BAYAN coding contest
- Ranked among 3% in the national university/college entrance exam (2014) (More than 60,000 students)
- Was selected and studied at the national organization for development of exceptional talents (NODET)