

# Amir A. Omidi

Software Developer and Designer

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## EDUCATION

### Drexel University, Philadelphia — B.S. Computer Science

March 2016 - Present

Cumulative GPA: 3.74/4.00

Dean's List 2016 and 2017

Anticipated Graduation: May 2019

### University of Tabriz, Tabriz, Iran — B.S. Computer Engineering

September 2014 - December 2015

Transferred to Drexel University.

Cumulative GPA: 18.15/20.00 (Ranked #1 in class)

## WORK EXPERIENCE

### Unisys, Malvern, PA — Cloud and Integration Software Engineer

April 2017 - Present

- Using ruby to create Chef scripts for configuration management.
- Use of cloud providers such as Google Cloud, AWS.
- Using Docker to create container based application deployment.

### Drexel University, Philadelphia, PA — Software Developer

October 2016 - PRESENT

- Increasing the quality of life for children with hemophilia by developing a game sponsored by Pfizer.
- Increasing productivity of the developer and design team by creating an automated work environment.

### CowCraft.net Games — Senior Java Developer and Sysadmin

September 2013 - June 2016

- Implemented server infrastructure and web services which scaled across 7 servers and handled over 2 million connections and 200,000 unique users.
- Served as a liaison between staff members, designers and YouTube partners.
- Wrote server-side applications using Java and various database technologies.

## PUBLICATIONS

- Numerical investigation of blood flow in a deformable coronary bifurcation and non-planar branch, Razavi SE, Omidi AA, Zanjani MS (2014)
- Screening and genetic manipulation of green organisms for establishment of biological life support systems in space, Saei AA, Omidi AA, Barzegari A. Bioengineered (2013)

## SKILLS

**Databases** – MySQL, PostgreSQL, Elasticsearch, Redis, MongoDB

**Programming languages** – Java, GoLang, C/C++, Python, JavaScript, Ruby, Scheme (LISP), Android

**Utilities** – Git, Bash, Maven, Jenkins, LaTeX, SSH, KVM, RDP, Chef, Docker

**Languages** – Fluency in English, Persian, and Azeri

## RELEVANT COURSEWORK

- Advanced Programming
- Computer Networks
- Web and Mobile Development
- AI and Machine Learning
- Systems Programming and Systems Architecture
- Operating Systems
- Logical Circuits and Microprocessors
- Calculus I, II, III

## COMPETITIONS

- State Farm Coding Competition  
2016 winner

## SELECTED PROJECTS

### Zync

(github.com/Zyncco)

Free and open source, End to end encrypted, multi-platform clipboard synchronization using the GCP.

### MooPermissions

(github.com/aaomidi/MooPermissions)

Scalable Minecraft permissions plugin with advanced sync support.