

Arman Shanjani

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EDUCATION

University of Wisconsin - Madison
M.S. Computer Science **GPA: 3.9/4.0**

May 2017

Rutgers University
B.S. Computer Science **GPA: 3.7/4.0; Major GPA: 4.0/4.0**

May 2015

SKILLS

Proficient: Go, C, Java, Swift, Objective-C

Familiar: Git, UNIX, Bash, SQL, OpenStack, Hadoop, Spark

EXPERIENCE

Teaching Assistant (Data Structures, Intro to OS) | CS Department (UW-Madison) September 2015 - Present

- Implement class projects as well as testing scripts to grade students' submissions, written in Java and C
- Hold lab hours to provide one-on-one assistance for projects
- Design and lecture discussion sections to explain high level topics with concrete examples

Member of Technical Staff Intern | ZeroStack (Mountain View, CA) June 2016 - August 2016

- Performed R&D for integration of TrilioData, an OpenStack backup and recovery solution
- Contributed to system design regarding high availability, fault tolerance, and upgradability
- Integrated TrilioData into ZeroStack platform, written in Go
- Wrote test ops to automate and speed up end-to-end integration and feature testing

Summer Academy iOS Instructor | Make School (New York, NY) June 2015 - August 2015

- Taught students about the Swift language and the iOS platform
- Used teaching techniques varying from lectures to small group demos
- Helped students turn their ideas into apps and ship them to the App Store

Undergraduate Research Assistant | CS Department (Rutgers University) September 2014 - January 2015

- Contributed to an auditing framework that provides ability to enforce the terms of an SLA in untrusted host environments, achieved through non-bypassable event logging that enables future deterministic replay
- Implemented logging subsystem and designed security defenses to protect against threat model

iOS Developer Intern | TeliApp Corporations (Linden, NJ) January 2013 - July 2014

- Developed several social networking applications from start to finish, written in Objective-C
- Came up with and developed internal apps to simplify keeping track of our users and getting meaningful analytical information to grow our user base

PROJECTS

Hello World: A Worldwide Chat | Personal July 2015 - July 2016

- App that lets users join others around the world in conversations about common interests, written in Swift
- Over 5K downloads in a year without marketing (not on the App Store anymore)

De-virtualizing the Virtual Memory | Graduate Operating Systems Course September 2015 - May 2016

- A new system design to reduce overheads of virtual memory for big-memory workloads
- Allowing applications to opt in and out of virtual memory as desired, using custom policies

iDrink/iBar | Undergraduate Database Course September 2013 - December 2013

- Apps that revolutionize the experience of bars, for both users as well as bar owners, written in Objective-C
- Features ranging from providing nearby bars' information to showing an estimate of user's BAC level
- Won first place in class competition (<https://goo.gl/fqVBdx>)