cjamadagni3@gatech.edu
xyz – abc – pqrs
Visa status: US Citizen

CHIRAG JAMADAGNI

cjamadagni.github.io
github.com/cjamadagni
linkedin.com/in/cjamadagni

EDUCATION

Georgia Institute of Technology (Atlanta, GA)	MS Computer Science	**Present**

Coursework:

National Inst of Technology Karnataka (India)	BTech Computer Engineering	**May 2017**

GPA: 8.98/10.0 | 3.92/4.0

EXPERIENCE

5C Networks (Bangalore, India)	Software Engineering Intern	**May – June 2017**

- Worked on integrating DICOM viewers with their radiodiagnosis platform.
- Developed a clinical decision support module (Django).

Samsung R&D (Bangalore, India)	Software Engineering Intern	**May – July 2016**

- Developed a new native voice recorder application for the Tizen OS (C & Tizen SDK).
- Developed a circular image cropping patch to the existing Image Editor Application (C & Tizen SDK).

MOOG ITC (Bangalore, India)	Research Intern	**May – July 2015**

- Conducted in-depth survey of existing multicore operating systems like Barrelfish, Akaros and Baremetal OS.
- Built an embedded system for flight controls on a Jetson Tegra TK1 chip, utilizing all cores efficiently.

Xerox IT Services (Bangalore, India)	Software Engineering Intern	**May – July 2014**

- Contributed to the development of multiple Liferay portlets (Java).
- Developed Selenium WebDriver scripts (Java) to test various portal functionalities.

TECHNICAL SKILLS

Programming Languages	**Database & OS**	**Web Development**	**Familiar With**
C/C++; Java; Python; Julia; JavaScript	MySQL; Linux; Windows	Django; HTML/CSS; PHP; AngularJS; Liferay	ns-3; Tizen SDK; Git; Node.js; webRTC; Selenium WebDriver

PUBLICATIONS

1. **Chirag Jamadagni**, Abhijith Anilkumar, Kevin Mathew, Manjunath Mulimani, and Shashidhar Koolagudi. 2016. Dynamic 3D graph visualizations in julia. In *Proceedings of the Summer Computer Simulation Conference* (SCSC '16).
2. Amita Ajith Kamath, **Chirag Jamadagni**, and K. Chandrasekaran. 2016. VirtTorrent: BitTorrent for Inter-VM File Distribution. In *Proceedings of the International Conference on Internet of things and Cloud Computing* (ICC '16).

PROJECTS

ns-3 Contributions (C++)

- Implemented TCP Westwood CRB, ABSE and BBE. Also developed a test suite for all Westwood variants.
- Developed patches for Wormhole, ACK Division and TTL-based DoS attacks.

Concat: A Catalog for Conferences (Django, AngularJS)

- Contributed to a website that matches academics to conferences in their research areas.

NetworkViz.jl (Julia)

- Worked on a Julia module to visualize graphs/networks in 3D. Presented at JuliaCon-MIT 2016.

GCPiN: Group Caching for Privacy in NDN (NDN)

- GCPiN is a novel network architecture for Named Data Networking (NDN) to increase the privacy of cached content with minimal performance losses.

Secure Chat (webRTC)

- Developed a secure video, text and file sharing application with OTR encryption and SMP authentication.
- Selected as a finalist in Fidelity's hackathon 2016.

Operating Systems Lab Project (C++)

- Built an adaptive process scheduler for nachOS.
- Developed a virtual memory simulator to compare different page replacement algorithms.