

Research Interests

Wireless and mobile systems, Computer networking, HCI

Education

University of Washington 2016 - Present

2nd Year Ph.D., in Computer Science & Engineering

Advisor: Shyam Gollakota

Dartmouth College 2012 - 2015

A.B. in Computer Science (High Honors), Minor in Digital Arts

Advisor: Xia Zhou

Thesis: 3D Printing Your Wireless Coverage

Publications

Conference

1. [3D Printing Wireless Communication](#)

Vikram Iyer (co-primary), **Justin Chan (co-primary)**, Shyam Gollakota
SIGGRAPH Asia, 2017.

2. [Data Storage and Interaction Using Magnetized Fabric \[Video\]](#)

Justin Chan, Shyam Gollakota
UIST, 2017.

3. Customizing Indoor Wireless Coverage via A 3D-Fabricated Reflector

Xi Xiong, **Justin Chan**, Ethan Yu, Nisha Kumari, Ardalan Amiri Sani, Changxi Zheng, Xia Zhou
BuildSys, 2017

Workshop

1. [3D Printing Your Wireless Coverage. \(Hot Paper Award\) \[Video\]](#)

Justin Chan, Changxi Zheng, and Xia Zhou.
HotWireless, 2015

Poster

1. [3D Printing Your Wireless Coverage. \(MobiCom Student Research Competition Winner\)](#)

Justin Chan, Changxi Zheng, and Xia Zhou.
Mobicom, 2015

Awards

- Hot Paper Award, HotWireless 2015
- MobiCom Student Research Competition Winner, 2015
- Gazzaniga Family Science Award Nominee, 2015
The only thesis to represent the CS department at a university wide competition.
- Citations for academic performance: *Computer Networks, Computer Architecture, Computer Graphics, Artificial Intelligence, Projects in Digital Arts*

Work Experience

Microsoft

Software Engineer (Cloud computing team)

2015 - 2016

- Cut system delay by 80%. Improvement presented to executives for quarterly review.

Software Engineering Intern

2014

- Received a "high return offer" sent to top ~20% of interns

Reviewing

- IMC Shadow PC 2017

Undergraduate Mentorship

- Darin Chin (Spring 2017 - present) Smartphone packet sniffing.
- Sandeep Chowdary (Winter 2017 - present) Magnetic localization with a smartphone.

Teaching

University of Washington

- Intro to Computer Communication Networks

Dartmouth College

- Software Implementation and Design
- Problem Solving via OOP
- Introduction to Programming and Computation

Patents

- Data Storage and Interaction using Magnetized Fabric
Shyam Gollakota, Justin Chan
U.S. Provisional Patent Application No. 62/491,669 filed 4/28/2017
- 3D Printing Wireless Communication
Shyam Gollakota, Vikram Iyer, Justin Chan
U.S. Provisional Patent Application No. 62/466,822 filed 3/3/2017