

# Irfaan Khalid

SOFTWARE ENGINEER · HACKATHON ORGANIZER · PUBLIC SPEAKER · PHOTOGRAPHER · WRITER

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## Education

### Vanderbilt University

B.S. IN COMPUTER SCIENCE, B.A. IN MATHEMATICS (APPLIED)

Nashville, TN

Aug 2015 - May 2019

### The Hong Kong University of Science and Technology

STUDY ABROAD

Clear Water Bay, Hong Kong

Feb 2018 - May 2019

## Work Experience

### Capital One

ASSOCIATE SOFTWARE ENGINEER INTERN

- Owned Spring Boot microservice and API development within Capital One's model governance ecosystem.
- Collaborated with the business and delivered functionality to meet the needs of at least 5 internal stakeholders.
- Founded and conducted *TED Talk Thursdays*, a lunch discussion forum for Capital One employees.

McLean, VA

June 2018 - Aug 2018

### The Bank of New York Mellon Corporation

SUMMER TECHNICAL ANALYST

- Developed a Spring Boot web application to expose internal applications' health statuses via Jenkins.
- Wrote, tested, and supported documentation for BNY Mellon's internal developer website.

Pittsburgh, PA

June 2017 - Aug 2017

### Vanderbilt University Institute for Software Integrated Systems

RESEARCH INTERN

- Placed 1st among 10 teams participating in DARPA's STAC research challenge as a member of Vanderbilt's research team.
- Developed tools for Java bytecode security analysis to aid in discovering time and space complexity vulnerabilities.

Nashville, TN

May 2016 - July 2016

### Vanderbilt University, Department of Electrical Engineering and Computer Science

TEACHING ASSISTANT

- Assisted students enrolled in CS 1101 - an introductory Java programming course - during weekly office hours.
- Graded programming assignments and exams regularly and offered constructive feedback to students.
- Delivered bonus lectures on topics not covered in the course; curricula can be found at [git.io/irfaans-bonus-lectures](https://git.io/irfaans-bonus-lectures).

Nashville, TN

Aug 2016 - Dec 2017

## Campus Involvement

### VandyHacks

SENIOR ADVISER, FORMER PRESIDENT, FORMER DIRECTOR OF SPONSORSHIP

- Advise the VandyHacks V organizing team by offering insight, assisting with administrative tasks, and guiding vision.
- Served as President of VandyHacks IV, overseeing coordination for the 450+ attendee hackathon and leading a team of 30+ organizers across 5 organizing committees.
- Served as Director of Sponsorship of VandyHacks III, managing the event budget and directing acquisition of over \$63k in corporate sponsorship - a 50% increase from VandyHacks II.

Nashville, TN

Feb 2016 - Present

### Vanderbilt Toastmasters

PRESIDENT, FORMER VICE PRESIDENT OF MEMBERSHIP, FORMER MEMBER

- Oversee club operations and coordinate with other members of leadership to foster a thriving organization.
- Deliver speeches and serve in evaluation and other speaking roles regularly.
- Earned the *Competent Communicator* certification in October 2017.

Nashville, TN

Mar 2016 - Present

## Projects

### OneHop

HACKER

- Designed and developed a Slack bot, OneHop, to serve as Capital One employees' personal productivity assistant.
- Built Python integration with external RESTful APIs.

Innergize

Aug 2018

### StockShare | [github.com/connorgoggans/StockShare](https://github.com/connorgoggans/StockShare)

HACKER

- Built a web application to democratize stock trading among friends.
- Developed NodeJS backend functionality and integrated Firebase for data persistence.

CrimsonHacks

Mar 2017

## Skills

- Languages:** Java, C++, SQL, JavaScript, HTML, CSS
- Technologies:** Spring Boot, NodeJS, Git, Maven, Bash, Homebrew, OracleSQL, JUnit, REST
- Other Skills:** Public speaking, Agile, leadership, communication, teaching, mentorship, technical writing