Irfaan **Khalid**

Software Engineer · Hackathon Organizer · Public Speaker · Photographer · Writer

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Education

Vanderbilt University — *Nashville, TN*
B.S. in Computer Science, B.A. in Mathematics (Applied) — *Aug 2015 - May 2019*

The Hong Kong University of Science and Technology — *Clear Water Bay, Hong Kong*
Study Abroad — *Feb 2018 - May 2018*

Work Experience

Capital One — *McLean, VA*
Incoming Software Engineer Intern — *June 2018 - Aug 2018*

The Bank of New York Mellon Corporation — *Pittsburgh, PA*
Summer Technical Analyst — *June 2017 - Aug 2017*
- Developed the Spring backend for a web application that displayed application and service health statuses for BNY Mellon's Application Platform and Services division.
- Wrote, tested, and supported documentation for BNY Mellon's internal developer website.

Vanderbilt University Institute for Software Integrated Systems — *Nashville, TN*
Research Intern — *May 2016 - July 2016*
- Placed 1st among ten 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.

Vanderbilt University, Department of Electrical Engineering and Computer Science — *Nashville, TN*
Teaching Assistant — *Aug 2016 - Dec 2017*
- 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 that cannot be covered in class; curricula can be found here.

Campus Involvement

VandyHacks — *Nashville, TN*
Adviser — *Feb 2016 - Present*
- Advise the VandyHacks V Presidents and organizing team, offering insight and assisting with administrative tasks.
- Served as President for VandyHacks IV, overseeing all coordination for the 450+ attendee hackathon and serving as a liaison between VandyHacks and Vanderbilt University.
- Served as Director of Sponsorship for VandyHacks III, managing all event finances and directing efforts to acquire over $63k in sponsorship for the event.

Vanderbilt Toastmasters — *Nashville, TN*
President — *Mar 2016 - Present*
- Oversee club operations and coordinate with other members of leadership to foster a thriving organization.
- Manage club memberships and cultivate a welcoming environment for new club members and guests.
- Regularly deliver speeches and serve in evaluation roles.

Projects

StockShare | github.com/connorgoggans/StockShare — *CrimsonHacks*
Hackathon Participant — *Mar 2017*
- Built a web application that democratizes stock trading among friends.
- Developed backend functionality and integrated Firebase into the project.

Skills

- **Languages:** Java, C++, SQL, JavaScript, HTML, CSS
- **Technologies:** Spring, NodeJS, Git, Bash, Maven, OracleSQL
- **Environments:** Windows, Linux
- **Other Skills:** Public speaking, leadership, communication, teaching, technical writing