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

Amazon   *New York, NY*
SOFTWARE DEVELOPMENT ENGINEER   *July 2019 - Present*
- Develop robust software solutions for Amazon Advertising's internal and external stakeholders.
- Collaborate with a variety of business entities to scope and deliver effective products.

Capital One   *McLean, VA*
SOFTWARE ENGINEER INTERN   *June 2018 - Aug 2018*
- 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.

The Bank of New York Mellon Corporation   *Pittsburgh, PA*
SUMMER TECHNICAL ANALYST   *June 2017 - Aug 2017*
- 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.

Vanderbilt University Institute for Software Integrated Systems   *Nashville, TN*
RESEARCH INTERN   *May 2016 - July 2016*
- 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.

Campus Involvement

VandyHacks   *Nashville, TN*
SENIOR ADVISER, PRESIDENT, DIRECTOR OF SPONSORSHIP   *Feb 2016 - May 2019*
- Advised 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.

Vanderbilt Toastmasters   *Nashville, TN*
PRESIDENT, VICE PRESIDENT OF MEMBERSHIP, MEMBER   *Mar 2016 - Apr 2019*
- Oversaw club operations and coordinated with other members of leadership to foster a thriving organization.
- Delivered speeches and served in evaluation and other speaking roles regularly.
- Earned the *Competent Communicator* certification in October 2017 and the *Competent Leader* certification in February 2019.

Projects

Vaken
DEVELOPER
- Developed backend functionality for *Vaken*, a next-generation hackathon management system.
- Implemented key API functionality using Node.js, TypeScript, and GraphQL.

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.

Skills

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