

Varun Kulkarni

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Education

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing

Atlanta, GA

Candidate for Bachelor of Science in Computer Science

Expected May 2022

Threads: Information Internetworks & Intelligence

GPA: 3.66

Honors: Dean's List

Relevant coursework: Linear Algebra (In Progress), Data Structures and Algorithms (In Progress)

Object Oriented Programming, Differential & Integral Calculus

Leadership

FIRST Robotics

Fairfax, VA

Lead Programmer, Member of Design Team

June 2009 – March 2018

- Constructed and programmed robots to complete tasks autonomously and with user input quickly against other robots
- Pioneered transition to new control system using new Android APIs and previous generation Motor Controllers
- *Notable Awards:* FTC Regional Competition Finalist (2014), FTC Rockwell Collins Innovate Award (2015), FRC Regional Competition Judges' Award (2018)

George Mason University, Aspiring Scientists Summer Internship Program

Fairfax, VA

Intern

June 2017 – August 2017

- Utilized Javascript libraries to create tools in a pastebin editor that enhanced Javascript development and debugging experience for other programmers
- Led a team to implement a feature seamlessly into the current structure of the pastebin without compromising user experience

Technology Student Association, Video Game Design & Web Development Chapters

Ashburn, VA

Lead Programmer

October 2014 – July 2015

- Coordinated a team of four to create a Windows executable game using GameMaker Studio (2014)
- Spearheaded the effort to construct a complete website using raw HTML, CSS, and Javascript which presented various topics as required by the TSA competition outline. (2015)
- *Notable Awards:* National Conference Champions, Video Game Design (2014), State Conference 2nd Place, Webmaster (2015)

Projects

Twogle: Semantic Search Engine

October 2018

- Uses Google Cloud Platform, Microsoft Azure APIs and PHP to create a search engine that can keep track of preferred user sites with cookies
- Successive search queries will allow user-preferred blogs and sites to propagate to the first few search results

SeeCodeRun: An Online Javascript Environment with the Developer in Mind

June 2017 – August 2017

- Added features to ongoing project that allow Javascript developers to see direct relationships between code and output
- Includes live preview with color coordination between a line of code and its corresponding output for easier debugging
- Won *IEEE Northern Virginia Chapter Award* at Regional Science Fair

Photon

May 2016 – July 2016

- iOS-based application that interfaces with the calendar to aid users in scheduling management using task lists and graphical interpretations of times related to current and future tasks
- Achieved over 9,000 downloads on the Apple App Store

Skills & Activities

- **Technical Skills:** Java, HTML, CSS, Javascript, Github & VCS, iOS Development, Octave/MATLAB, C, Inkscape (Vector Graphics)
- **Activities:** Singing (Hindi & English), dancing (freestyle urban/break), tennis, ping pong, badminton, weightlifting, cardistry, card games, biking
- **Languages:** English - fluent, Kannada - intermediate, Hindi - intermediate, French - beginner