SAARTHAK SETHI

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Education

Thomas Jefferson High School for Science & Technology 2014 – 2018

The College of William & Mary 2018 – Present

Work Experience

Research Intern - Children's National Health System July 2017 - February 2018
Performed biocomputational analysis to identify and rank genes linked to Autism Spectrum Disorder. *Python + R*

Software Engineer – Insight Interfaces LLC June 2018 - Present
One of four engineers in a startup (part of the 1776 startup accelerator) developing an innovative teleconferencing software. *Django + Node.JS + WebRTC + Javascript + HTML/CSS*

Relevant Coursework

Data Structures
Discrete Structures of Computer Science
Computational Problem Solving
Competitive Programming
Reasoning Under Uncertainty (Data Science)

Multivariable Calculus
Linear Algebra
Calculus I + Calculus II
Engineering Design
Breaking Intuition (Data Science)
Human Development & Data Science

Skills

Software Languages Python, Java, C++, R, JavaScript (React, Node, Express, Socket.io, jQuery, Cheerio), HTML/CSS, SQL, XML

Software Applications Git + GitHub, RStudio, React Native, Firebase, MongoDB, Android Studio, Atom, Adobe Creative Suite (e.g. Photoshop, Premiere Elements), Cinema 4D Studio, MSFT Office Suite

Activities & Awards

Hackathon Winner – *Hackital 2017*
Awarded Second Place Overall. Built application that digitizes the political polling process. *Python + JavaScript + jQuery + AJAX + HTML/CSS + Flask + MongoDB + Java + XML. bit.ly/2jONS51*

Hackathon Winner – *PennApps XVI*
Awarded Hasura Special Prize. Built mobile application that digitizes the line waiting process. *JavaScript + jQuery + AJAX + HTML/CSS + Apache Cordova + Hasura. bit.ly/2xarvxe*

Hackathon Winner – *HackTJ*
Awarded Best Financial Hack, Top 10 in BigParser Code Jam, and Top 5 Presentable Hack. Built group investment web platform. *Python + JavaScript + Node.JS + Express.JS + jQuery + AJAX + MongoDB + HTML/CSS. bit.ly/2pEyjSC*

FIRST Robotics *(9 years)*
Head of programming and community outreach. State level finalist in First Lego League for three years. Reached Super-Regional level in First Tech Challenge for four years. Won 20+ merit-based awards.

Spreading Technology and Robotics Together *(3 years)*
Created START program to teach robotics to children with autism.

Sports Statistics Club *(3 years)*
Officer, Web Administrator, and Author for sports blog and forum using statistical analysis.

Science Fair Winner – *TJHSST Science & Engineering Fair*
First place in Behavioral and Social Science projects; moved on to Regional level. Studied the effect of birth-order on students' achievement in competitive vs. noncompetitive environments.