

Zachary David Johnson

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Education

Dartmouth College: 10 North Main St, Hanover, NH 03755 (603-646-2875)

Anticipated Graduation: June 2020; Anticipated Major: Computer Science; Current GPA: 3.81

East Greenwich High School: 300 Avenger Drive, East Greenwich, RI 02818 (401-398-1300)

Graduation: June 2016; Final GPA: 4.58

Relevant Coursework

Introduction to Computer Science: Used Python to write interactive programs to analyze data, process text, draw graphics, manipulate images, and simulate physical systems.

Problem Solving via Object Oriented Programming: Used Java to explore data structures and solve computational problems including image/video processing, large-scale graph traversal, data compression, and networking.

Smartphone Programming (Fall 2017): Topics include development environment, phone emulator, key programming paradigms, UI design including views and activities, data persistence, messaging and networking, embedded sensors, location based services, cloud programming, and publishing applications.

Projects

Collaborative Graphical Editor (Spring 2017): Used client-server architecture to develop a graphical version of Google Docs.

Kevin Bacon Game (Spring 2017): Built and traversed a large-scale graph extracted from multiple data-sets of actors and movies. Used breadth-first search to find shortest paths between actors.

Constitution Compression (Spring 2017): Used Huffman Encoding to compress and decompress both the U.S Constitution and *War & Peace*.

Technical Skills

Proficient in Python, Java, HTML, CSS. Basic understanding of Swift.

Experience

Dartmouth Robotics Laboratory, Undergraduate Researcher (Winter 2018)

Program Solving via Object-Oriented Programming, Tutor (Winter 2018)

RI General Treasurer's Office, Policy Intern (Summer 2017)

Academic Honors and Awards of Distinction

AP Scholar with Distinction (August, 2016)

RI Lieutenant Governor's Leadership Award (April, 2016)

National Merit Scholar (March, 2016)

RI Delegate to U.S. Senate Youth Program (March, 2016)

Pell Medal: awarded for excellence in United States History (June, 2015)

Yale Book Award (June, 2015)

The General Treasurer's Young Leader Award (May, 2015)

Rhode Island Scholar Athlete Award (May, 2015)

Personal Finance Challenge (Jump Start & Fidelity): 1st Place Rhode Island Team (May, 2015 & April, 2016)

AMGEN Biotechnology Award (June, 2014)

Experiential Learning

Testified at the RI Statehouse, House Committee on Health, Education, and Welfare (April, 2016)
Foundation for Teaching Economics: Economics for Leaders Summit (July 2015)

Extracurricular Activities

College

Club Tennis Team: Member Fall '16 - present

Parliamentary Debate Team: Member Fall '16; Social Chair Winter '17 - present

Dartmouth Law Journal: Associate Editor Fall '16

Dartmouth Political Times: Contributor Winter '17 - Fall '17

Club Squash Team: Member Winter '17 - Fall '17

High School

President: Mock Trial, Class Council, Debate Team, Future Business Leaders of America (EGHS), LifeSmarts

Athletic Achievements

Varsity Tennis: Rhode Island State Champion 11; First-Team All-State 9, 10, 11, 12; Captain 11, 12

USTA National Sportsmanship Award: One of two recipients in U.S. (October, 2012)

Community Involvement

Real Education RI, founding member: worked with state and national leaders (including Commissioner of Education Deborah Gist) to pass financial literacy standards in Rhode Island (2014-2015)

Financial Capability Conference, student guide and panel member: Real Ed RI worked with Rhode Island Jumpstart Coalition to host a Financial Capability Conference (sponsored by Fidelity).
(December, 2014)

Newport Hall of Fame Professional Tennis Tournament, ball kid (Summer 2009-2014; Captain 2011-2014)