

# PRANAV RAJAN

Lincoln, Nebraska | 402-210-4067 | pranavrajan10@gmail.com

<https://www.linkedin.com/in/rajanpranav/> | <https://codeforchange.info/> | <http://pranavrajan.com>

## EDUCATION

### **Lincoln East High School**

**May 2020 | Lincoln, Nebraska**

- Senior | GPA: 4.5 | Class Rank: 4/567 | Top 0.5% of Class | ACT Score : 34

### **University of Michigan (Virtual Visiting Student)**

**June 2018 - August 2018 | Ann Arbor, Michigan**

- Coursework: Python Data Structures, Programming in Python

## WORK EXPERIENCE

### **Executive Director/Founder | CodeForChange**

**December 2016 - Current | Lincoln, Nebraska**

- Founded an international computer science education organization that exposes students to computer science through modern, constructivist, and virtual curriculum
- Partnered with Youth Entrepreneurship Clinics to attain grant funding of \$493,560 from USDA for five years of rural project use and formulated virtual CS curriculum accessible to international interns. *Past Clients : Nelnet, LPS, UNL, Presage Analytics, NMotion*

### **Intern | United States House of Representatives**

**May 2017 - Current | Lincoln, Nebraska**

- Manage communications between constituents and Congressman Fortenberry via the production of tweets to convey congressional updates to the Congressman's 22,000 followers
- Write weekly newsletters about government issues read by 50,000+ constituents

### **Engineering Intern | National Aeronautics and Space Administration (NASA)**

**June 2019 - August 2019 | Austin, Texas**

- Selected from a nationally competitive organization, out of 600 students, to research at NASA via the Texas Space Grant Consortium and The University of Texas at Austin Center for Space Research Summer Intern Program
- Researched emergency/flood preparedness in order to benefit my home state which has been impacted greatly by flooding

### **Environmental Research and Development Intern | LI-COR Biosciences**

**May 2019 - October 2019 | Lincoln, Nebraska**

- Researched carbon dioxide assimilation and fluorescence of plants with the goal of exploiting the antibiotic and carbon sequestration applications of Lemnoideae, the fastest reproducing plant in the world: Duckweed
- Identified and confirmed the deactivation of the RUBP 6-Carbon molecule in the carbon assimilation process and modeling the effect of this deactivation upon user data

### **Mechanical Engineering Intern | University of Nebraska - Lincoln**

**June 2019 - September 2019 | Lincoln, Nebraska**

- Applied MATLAB to large datasets to analyze images and numerical values with the goal of solving lense fogging.

### **Research Assistant | University of Nebraska - Lincoln**

**September 2017 - May 2018 | Lincoln, Nebraska**

- Utilized 'R' to create algorithm simulations, currently used in Nebraska high schools to conceptualize ecological systems
- Developed high school level curriculum for classes teaching Raspberry Pi, 'R', and the subject of aquatic ecology and ecosystems

## VOLUNTEER EXPERIENCE

### **Volunteered 600+ hours**

**May 2016 - Current | Lincoln, Nebraska**

- Educated ~15 retirees weekly regarding modern technology and proper usage of the internet @ Clark Jeary Retirement Home
- Founded and led a chess club for 30+ elementary age students at Cavett Elementary School for 2 years @ Lincoln Public Schools
- Tutored underprivileged students ranging from 3<sup>rd</sup> grade to 12<sup>th</sup> grade @ Lighthouse After School Program

## AWARDS AND HONORS

### **Prudential Spirit of Community Award**

**February 2019**

- Selected as Nebraska's Top Youth Volunteer of 2019 out of all Nebraska high school volunteers

### **Presidential Gold Volunteer Service Award**

**February 2019**

- Honored by the President of the United States for volunteer service in the educational sector with CodeForChange

### **Congressional Bronze Medal of Service**

**November 2018**

- Honored by the United States Congress for contributing 600 service hours for a numerous local, low-income educational institutions

### **Selected TEDxYouth Speaker on Computer Science Education | TEDxYouth@Lincoln**

**August 2018**

### **AP Scholar With Distinction | College Board**

**May 2018**

### **2x State Champion | Nebraska Chess Association**

**July 2013, August 2014**

## EXTRACURRICULARS

### **President/Founder | Value Investment Club**

**September 2017 - Current | Lincoln, Nebraska**

- 2x State Champion in Investing at Nebraska JA Stock Market Competition with highest portfolio growth

### **Captain | Nebraska State Science Olympiad**

**May 2016 - Current | Lincoln, Nebraska**

- Placed in the top six within Nebraska, in 10 events, over three Nebraska State Science Olympiad Competitions, with two 1<sup>st</sup> places

### **Class XXI | Leadership Lincoln**

**August 2017 - May 2018 | Lincoln, Nebraska**