

## Alexander E. Bendeck

3245 Equestrian Drive, Boca Raton, FL 33434  
[alexanderbendeck@gmail.com](mailto:alexanderbendeck@gmail.com) | (561) 866-2383



### Education

**Duke University, Durham, NC**

**Expected Spring 2021**

B.S. Degree in Computer Science; Minor in Statistical Science

- GPA: 4.0/4.0 | Dean's List with Distinction in Fall 2017, Spring 2018, Fall 2018, Spring 2019
- Relevant Coursework: COMPSCI 201 (Data Structures), COMPSCI 316 (Database Systems), COMPSCI 371 (Machine Learning), STA 250 (Mathematical Statistics)

### Employment

**Duke Computer Science Department, Undergraduate Teaching Assistant** **Fall 2018 – Present**

- Grade assignments, hold regular office hours, and assist in administrative tasks for COMPSCI 101 Introduction to Computer Science (6 hours/week)

**Duke Mathematics Department, Help Room Staff member**

**Spring 2018**

- Tutored Duke students enrolled in Math 212 Multivariable Calculus and Math 202 Multivariable Calculus for Economics (6 hours/week)

### Research Experience

**Duke Data+ Summer Research Program, Undergraduate team member**

**Summer 2019**

Basketball Analytics Pipeline team, led by Prof. Alexander Volfovsky

- Worked with a team of data scientists to extract player motion data from freely-available basketball footage using Machine Learning and Computer Vision techniques (10 weeks)

**Duke Motivated Cognition and Aging Brain (MCAB) Lab, Assistant**

**Summer 2018 – Present**

Digital Health Interventions Bass Connections team, led by Prof. Gregory Samanez-Larkin

- Write Python programs to be used as participant tasks in various Psychology/Neuroscience studies; assist in collection, organization, and analysis of participant data (6 hours/week)

### Leadership and Mentorship Experience

**Computer Science Department, Head Undergraduate TA**

**Spring 2019 – Present**

- Work closely with Prof. Kristin Stephens-Martinez and other course administrators on advanced administrative tasks for COMPSCI 101 Introduction to Computer Science; supervise grading of assignments by other Undergraduate TAs (Additional 2 hours/week)

**Duke Mi Gente Latino Organization, Upperclass Mentor**

**Fall 2019 – Present**

- Serve as a mentor for three first-year Latino undergraduates

### Skills

#### Technical

- General-Purpose and Object-Oriented Programming (Python, Java)
- Statistical and Analytical Computing (Python, MATLAB, R)
  - Python libraries for computing and data analysis (NumPy, sklearn, Pandas, SciPy)
- Relational database systems and querying (SQL)
- Microsoft Office suite (Word, Excel, PowerPoint)

#### Languages

- English (native language)
- Spanish (elementary proficiency)

## Alexander E. Bendeck

3245 Equestrian Drive, Boca Raton, FL 33434  
[alexanderbendeck@gmail.com](mailto:alexanderbendeck@gmail.com) | (561) 866-2383



### ***Honors and Awards***

#### **Academics**

- Duke University Dean's List with Distinction **Fall 2017, Spring 2018, Fall '18, Spring '19**
- National A.P. Scholar **Spring 2017**
- 2017 National Merit Scholarship Finalist **Spring 2017**
- National Hispanic Recognition Program (College Board) **Spring 2017**

#### **Music**

- Selected by audition, Florida All-State Band **Spring 2017**

### ***University Extracurricular Involvement***

**Duke Undergraduate Machine Learning, Member** **Spring 2019 – Present**

- Attend meetings, workshops, and networking events

**Duke Society of Hispanic Professional Engineers, Member** **Fall 2017 – Present**

- Attend bimonthly meetings and networking events

**Duke Symphony Orchestra, French horn musician** **Fall 2017 – Spring 2018**

- Attend rehearsals 4 hours/week
- Take part in 5 yearly performances for the public

**Duke University String School Youth Symphony, Volunteer** **Fall 2017 – Spring 2018**

- Attend rehearsal 2 hours/week
- Volunteer to play French horn, an instrument of need, in an educational community youth orchestra

### ***Interests***

- Watching basketball (NBA, NCAA)
- Playing the French horn
- Graphic design