**JARED B. JUNKIN**

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# EDUCATION

**DUKE UNIVERSITY**, Durham, NC, May 2021 Graduation

B.S. in Computer Science, B.A in English, minor in Philosophy, minor in Mathematics

**Honors:** Dean’s List (Fall 2017 & Spring 2018)

**Activities:** Research Fellow; Ski Team; Debate Team; Effective Altruism Club; Devilish Keys Piano Ensemble

**GPA:** 3.65/4.00

**Technical Skills**

**LANGUAGES**

* Highly Proficient in Python, Java
* Proficient in R, C++

**SOFTWARE PACKAGES**

* Highly Proficient in Spyder, Adobe Photoshop & Illustrator, Microsoft Office, Fusion & Zing Laser Cutter technology
* Proficient in Eclipse, Rstudio, IntelliJ, Fusion AutoDesk 360, AutoCAD

# EMPLOYMENT & VOLUNTEER EXPERIENCE

**SHINDELL RESEARCH GROUP:** Researcher, Duke University **August 2019-Current**

* Develop climate models to predict agricultural losses due to climate change.
* Translate out-of-date computer code & data into Python and R files
* Team Received grant from United Nations to develop climate models further

**MATH HELP ROOM:** Teaching Assistant, Duke University **January 2019-Current**

* Tutor undergraduates in Single Variable and Multivariable Calculus, Linear Algebra, and Differential Equations

**DESHUSSES LAB:** Researcher, Duke University **October 2018-August 2019**

* Designed & conducted research on Bioreactors: machines that use genetically engineered bacteria to sequester pollutants
* Research paper pending publication

**MICROCAPITAL:** Research Associate **May 2018-August 2018**

* Conducted research and wrote articles on developments in the microfinance & sustainable investing industries

**REPRESENTING MIGRATION LAB:** Research Fellow, Duke University **September 2017-May 2019**

* Conducted independent research on the Syrian Civil War and European refugee crisis
* Synthesized testimonial literature from the Syrian Civil War and refugee crisis into articles and presentations

 **GAP YEAR: VOLUNTEER SERVICE August 2016-April 2017**

**BUILD UP NEPAL**, Gorkha, Nepal (Spring 2017) **February-April 2017**

* Collaborated with volunteers and local villagers to rebuild houses after 2015 earthquake
* Taught English at local schools

**INTER-EUROPEAN HUMAN AID ASSOCIATION**, Bagnara, Italy & Thessaloniki, Greece **September- December 2016**

* Provided emergency aid at boat landings and acted as translator (English to Spanish)
* Co-founded the We Are Here! Community Center and managed refugee school program
* Helped establish Soul Food Kitchen, a food pantry for homeless Greeks, Iranians, and Afghans
* Managed clothing deliveries and emergency shipments to more than two dozen refugee camps
* Organized and taught English, cultural studies, and math classes to unaccompanied minors

 **VELONDRIAKE MARINE RESERVE**, Toliara, Madagascar **August-September 2016**

* Collected and analyzed data on local fish populations for submission to scientific journals
* Organized marine stewardship initiatives in local villages