

TARIK BROWN

UNIVERSITY OF NOTRE DAME – COMPUTER SCIENCE AND ECONOMICS DOUBLE MAJOR

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EDUCATION

University of Notre Dame

Notre Dame, IN (2018–2022)

- Bachelor of Engineering (Computer Science)
- Bachelor of Arts and Letters (Economics)
- AnBryce Scholar (2022 Cohort)
- Questbridge National Scholar
- Notre Dame Leadership Seminars 2017 Alum

WORK EXPERIENCE

Google

Computer Science Summer Institute Student Intern

Pittsburgh, PA (Summer 2018)

- Acquired technical development in the programming techniques related to front-end and back-end web application development. (**Python**)(**JavaScript**)(**HTML/CSS**)

Johnson and Johnson Vision Care

Robotics Intern

Jacksonville, FL (Summer 2018)

- Led a four week robotics curriculum teaching a cohort of 13 younger interns
- Aided the engineering department in maintaining and improving process within contact lens production lines (2GT and 3GT)
- Taught Java fundamentals using Eclipse and Android Studio as well as revision control through Git hub.

University of North Florida

Research Assistant

Jacksonville, FL (Summer 2017)

- Improved Visual Image Recognition Optimization via Neural Networks using **Tensorflow API** and **Google Sonnet Libraries** and **Java**.
- Optimized image recognition times by calculating statistical error margins and identifying image recognition errors

Mathnasium

Lead Math Instructor

Jacksonville, FL (August 2017 - May 2018)

- Tutored students from the grades of K-12 in math ranging from first grade math to AP Calculus.
- Tutored children with disabilities such as dyslexia or educational development limitations.

COMPETITIONS AND PERSONAL PROJECTS

FIRST Robotics Competition – Programming Lead

(January 2018 - February 2018)

- Developed robot code for autonomous and tele operated user control, including sensors such as the NavX Gyroscope and TalonSRX Encoders
- Wrote an autonomous [motion profile](#) for an based on a linear piece-wise method that optimizes autonomous trajectory. (**Java**)
- Regional Finalists in Orlando Regional, Excellence in Engineering Award sponsored by Delphi (Orlando Reigonal), FIRST Worlds Championship Division Finalists, Creativity Award sponsored by Xerox (FIRST World Championship/Galileo Division)

Science Olympiad – Founder/Programming Lead

(November 2016 - February 2017)

- Wrote an autonomous for an [electric vehicle](#) using a rotary encoder (**C++/Arduino**)
- Wrote a program to control a robot arm in order for it to pick up pennies with precision (**Java**)

ABOUT ME

Technical Skills Java, Python, Javascript, HTML/CSS, Unix/Linux, \LaTeX

Languages Fluent in Spanish;

Interests Jazz Music, Robotics