

BENNETT D. SMITH

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EDUCATION

B. S. in Materials Science and Engineering, *University of Florida*.....*Expected May 2022*

- Focus on Metallurgy and Polymer Science
- GPA (as of Spring 2021) is 3.53/4.00

International Baccalaureate (IB) diploma recipient in high school.....*Graduated May 2018*

EXPERIENCE

Data Visualization Specialist, *Butala Research Group*.....*May 2019 – Present*
Department of Materials Science and Engineering

- Created a Python script in Jupyter Notebook to output line plots of x-ray diffraction data.
- Implemented numpy, Pandas, and Matplotlib to visualize 360 files and 1,024 data values.

President, *Men's Club Soccer*.....*Dec 2020 – Present*
University of Florida

- Boosted team morale following Covid-19 pandemic through post-practice speeches.
- Increased average attendance from 11 players to 25, and roster size from 21 players to 34.
- Scheduled our first game in 16 months.
- Promoted the club to first-tier funding and secured \$2,667.28 for the 2021-2022 season.
- Organized annual community cleanup events with Keep Alachua County Beautiful.
- Coordinated team involvement in Gainesville's GSA TOPSoccer for Special-ed Youth

Senior Research Project.....*Jan 2021 – Present*
Department of Materials Science and Engineering

- Working with Keeper® to develop longer-lasting latex for soccer goalkeeper gloves.
- Subjecting gloves to infrared spectroscopy to determine the polymers present in the latex.
- Investigating the relationship between the surface topography and lifespan of the latex.

Coding Projects.....*May 2019 – Present*

- Used HTML, CSS, JavaScript and Bootstrap to design my own website bennettsmith.dev/
- Used web scraping to gather the transfer values for 588 professional soccer players.
- Used machine learning to model predicted points in fantasy football with 93% certainty.

RELEVANT COURSEWORK/SKILLS

- Programming with MATLAB and computer aided design (CAD) with SolidWorks
- 3D printing with stereolithography (SLA) and fused deposition modeling (FDM)
- Professional communication with Microsoft Excel, Word, and PowerPoint
- Statistics with Minitab 2-factor design of experiments (DOE) and error analysis
- Materials laboratory experience (optical microscopy, tensile testing, polymer synthesis, composite layup, metal polishing, materials selection/sourcing, Weibull statistics)

INTERESTS

- Sports: soccer, rock climbing, basketball, football, golf, spikeball
- Sustainability: renewable energy, thrifting, reducing plastic use, recycling