

# Nicholas O'Brien

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## EDUCATION

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University of Rochester	Rochester, NY
<b><i>BA in Economics, BA in Political Science, BA in Mathematics</i></b>	<b><i>Anticipated May 2023</i></b>
· <b>GPA 3.86 / 4.00</b> , Dean's List 3 of 3 eligible semester	
Alvernia University	Reading, PA
<b><i>Non-degree seeking</i></b>	<b><i>October 2019-December 2019</i></b>
<b>Coursework: CS 155 Object-Oriented Programming</b>	
· <b>GPA 4.00 / 4.00</b>	

## SKILLS

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- Microsoft Office
  - Languages: French, English
  - Knowledge in computer programming (Python, R, STATA, SQL)

## PROJECTS/EXPERIENCE

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<b><i>Economics Research</i></b>	<b><i>September 2021-Present</i></b>
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- Original research around familial relations and chances of incarceration by using the Georgia OTIS system. Extracted datasets from queries and cleaned sets for regression analysis, ran regression analysis, constructed automated system for further analysis

<b><i>NSF REU Researcher</i></b>	<b><i>July 2021-Present</i></b>
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- Research Grant via the National Science Foundation for investigating neural networks. Multiple available projects from theory such as finding connections between Vapnik-Chervonenkis (VC) dimensions and the Erdos distance problem, to applied projects of using neural networks and machine learning to approximate sales data during the COVID era. In charge of a small team where we improved prediction from traditional regression analysis of below 50% accuracy to 94% accuracy through refining ML model by picking macroeconomic regressors

<b><i>Economics Teaching Assistant</i></b>	<b><i>August 2021-December 2021</i></b>
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- Selected as a TA among 30+ applicants to lead a weekly recitation to review content from the course in addition to host discussions to enhance critical thinking within the field of economics

## WORK EXPERIENCE

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Target Corporation	Carlisle, PA
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<b><i>Cashier</i></b>	<b><i>June 2018 – August 2020</i></b>
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- Helped guests find and purchase necessary items. Problem solved as an interim manager

United Parcel Service	Carlisle, PA
<b><i>Package Helper</i></b>	<b><i>November 2020 – January 2021</i></b>

***(Seasonal)***

- Delivered packages and cooperated with drivers to cover the local area

Ronald McDonald House	Hershey, PA
<b><i>Administrative Assistant</i></b>	<b><i>May 2021-August 2021</i></b>

***2021***

- Provided clerical and managerial services to the local non-profit chapter. Managed clients and hosted fundraisers for family donors in addition to organizing and scheduling meetings

## REFERENCES

**Brian Clair** (Contact 717-226-4637)

UPS Supervisor

**Alex Iosevich** (Contact 573-239-4086)

NSF REU Supervisor

## CAMPUS INVOLVEMENT

Club Soccer

January 2020-

Present

College Democrats

January 2020-

Present Club Running (E-Board Member)

January 2020-Present (EBoard May 2021-

Present)