

# William Goode

 william.maverick.goode@gmail.com  +1 (936) 827-9250  [GitHub](#)  [LinkedIn](#)

## OBJECTIVE

---

Mathematician focused on leveraging data to solve complex, real-world problems. Developed expertise in Python, machine learning, and data analysis through hands-on projects and continuous learning.

## PROJECTS

---

- Developed and implemented machine learning models for object detection and image classification on both static and live video feeds to automate workflows.
- Created a database locally in Microsoft SQL Server; connected this to a dynamic data visualization web app created using Dash and Flask.
- Conducted A/B testing and statistical analysis, including regression and hypothesis testing, to gain data-driven insights into finance strategies.
- Utilized time-series modeling (ARIMA) to forecast maximum weekly player counts for an online game.
- Deployed models on Amazon ECS as containerized web apps.

## EMPLOYMENT

---

<b>Concan Consulting Corporation</b>	Apr 2025 – Jun 2025
<i>Software Engineer</i>	<i>Remote</i>
▪ Developed REST API in C# using ASP.NET Core and Entity Framework.	
▪ Consulted small e-commerce businesses on best practices.	
▪ Wrote custom scripts in platform-specific language (Liquid) for front-end development.	
<b>Vanderbilt University</b>	Aug 2023 – Aug 2024
<i>Senior Lecturer of Mathematics</i>	<i>Nashville, TN</i>
<b>University of North Texas</b>	Aug 2017 – May 2023
<i>Graduate Teaching Fellow</i>	<i>Denton, TX</i>
<b>University of North Texas</b>	Aug 2014 – May 2017
<i>Undergraduate Teaching Assistant</i>	<i>Denton, TX</i>

## EDUCATION

---

<b>University of North Texas</b>	Graduated May 2023
<i>PhD, Mathematics</i>	<i>Denton, TX</i>
▪ 4.0 GPA	
▪ 2022-2023 UNT Department of Mathematics Outstanding Graduate Student Award recipient.	
▪ Summer 2022 College of Science Dean's Doctoral Fellows Stipend recipient. (\$5000)	
▪ Research area: Representations of infinite-dimensional Lie (super)algebras of vector fields.	
▪ Publication: C. H. Conley, W. Goode. An approach to annihilators in the context of vector field Lie algebras. <i>Expositiones Mathematicae</i> (2024) 125600. ( <a href="#">Link</a> )	
<b>University of North Texas</b>	Graduated May 2017
<i>BS, Economics. BS, Mathematics.</i>	<i>Denton, TX</i>
▪ 3.79 GPA: Cum Laude.	
▪ 2016-2017 Jack Johnson Award for Top BA/BS in Economics.	