

## EXPERIENCE

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- **Chisos Brewing Company** Alpine, TX  
*Proprietor, Brewmaster* May 2021 - Present
- **PACid Technologies** Midland, TX  
*Lead Developer* March 2021 - Present
- **Naval Surface Warfare Center Dahlgren** Dahlgren, VA  
*Scientist* Feb 2019 - Feb 2021
  - **Mission Assurance Decision Support System II (MADSS2)**: MADSS2 is a C#/SQL/HTML/JS/TS/CSS web application built in Angular, which tracks status of computing resources world-wide. NEDA rotation: implemented an interface for ingest of data from a similar toolkit from a vendor, developed and implemented an algorithm for dynamic risk analysis.
  - **Bibliometrics Analysis Toolkit (BAT)**: BAT is a Java/SQL/Python/C application which provides search and analytics of scientometric databases. Lead development: built all UI, database, and analytics code, worked with customers to design and build new features.
  - **Open-Source Trend Analysis (OSTA)**: OSTA is a Java application for collection of twitter posts originating from an area and news articles about a given event with the goal of providing tools for using live tweets to gain intelligence about a geographic region of interest. Lead developer: designed and built all UI and backend logic.
- **Student** Dahlgren, VA  
*Doctoral Candidate* July 2017 - December 2018
  - **Completed Dissertation**: Developed a novel neural-network-based solution to a problem.
- **Naval Surface Warfare Center Dahlgren** Dahlgren, VA  
*Pathways Intern* May 2015 - July 2017
  - **Mission Assurance Decision Support System (MADSS)**: MADSS is a C#/SQL/Silverlight application which tracks status of computing resources world-wide. Developer: worked with customers to design, build, test, and ship multiple tools.
- **Student** Tulsa, OK  
*Teaching Assistant* May 2012 - April 2015
  - **Intro Programming**: Taught fundamental programming concepts in Java, C, and Python from Hello World through iteration, recursion, basic data structures, and optimization to incoming students and students with non-technical degrees

## EDUCATION

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- **University of Tulsa** Tulsa, OK  
*Doctorate in Computer Science* Dec. 2018
- **University of Tulsa** Tulsa, OK  
*Master of Science in Computer Science* May 2013
- **University of Tulsa** Tulsa, OK  
*Bachelor of Science in Computer Science* Dec. 2011

## SKILLS

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- **Operating Systems**: Windows, Ubuntu, RHEL      • **Platforms**: IntelliJ, Eclipse, PyCharm, Visual Studio
- **Languages**: Java, Python, C, C#, L<sup>A</sup>T<sub>E</sub>X, SQL, Bash, Regex      • **Artistic**: Blender, Photoshop
- **Technologies**: AWS, Lucene, Elastic/Kibana, Postgres, MySQL, SQL Server, NumPy, Scikit-Learn, Matplotlib/PyPlot, Github/Bitbucket/Jira, Notepad++, WinMerge