**Mike Reilly**

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## Summary

Accomplished brewer seeking to transition into a software engineering career. Background in production planning, procurement, and recipe development. Successfully leveraged technology to automate processes and drive efficiency at breweries. Currently enrolled in a data science and machine learning program to gain cutting-edge skills for the AI revolution. Completed a MERN full-stack software engineering program with expertise in JavaScript, React, Node.js, Python, databases, and cloud technologies. Passionate about combining manufacturing domain knowledge with advanced AI/ML capabilities to build innovative intelligent software solutions.

## Technical Skills

Programming Languages: JavaScript, Python

Databases: SQL, MongoDB

Frameworks/Libraries: React, Node.js, Express, Pandas

Tools: Jira, Trello, Linear, Asana, VSCode, GitHub

## Education

Data Science and Machine Learning Certificate

Massachusetts Institute of Technology | July 2024

MERN Full Stack Software Engineering Certificate

University of Texas-Austin | March 2024

Craft Brewer's Apprenticeship Program

American Brewer's Guild | November 2015

Bachelor's in Psychology

University of Tennessee-Knoxville | December 2006

**Professional Experience**

Fiddlehead Brewing Company, Shelburne, VT

Production Planning & Procurement | June 2023 - Present

- Automated scheduling at 28th largest craft brewery by integrating Google Sheets and Trello using Google Apps Script and Trello API
- Performed Brewmaxx procedure programming adjustments to optimize production processes
- Leading integration of new ERP software with existing systems

Lead Brewer | June 2020 - June 2023

Shift Brewer | June 2018 - June 2020


Magic Hat Brewing Company, South Burlington, VT

Shift Brewer | June 2016 - June 2018

- Operated automated 135 bbl Rolec brewing system for wort production
- Conducted CIP of brewhouse vessels, HLB, Wortway, and cellar tanks
- Managed yeast propagation, harvesting, washing, and pitching processes


Vermont Pub and Brewery, Burlington, VT

Brewing Intern | November 2015 - January 2016

- Assisted with wort production on 14 bbl brewhouse and ½ bbl pilot system
- Contributed to pilot batch recipe development


**Projects**

Basecamp Advocacy Group, Fiddlehead Brewing Company | Ongoing

- Collaborated with a team to drive adoption of Basecamp as a collaborative tool within the brewery
- Conducted training sessions and provided support to increase platform utilization


**Certifications**

Google Project Management Certificate, Coursera


*References available upon request*