

Matthew J Murnighan

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<https://github.com/MattMurn> | <https://murnighan-portfolio.herokuapp.com/> | <https://www.linkedin.com/in/matthew-murnighan>

TECHNICAL SKILLS

JavaScript, NodeJS, MySQL, MongoDB, Python, React, React Native, Git, Jest, Command Line, Bloomberg Terminal, HTML5, CSS3, Handlebars, Firebase, Sequelize CLI, REST API, JQuery, Microsoft Excel, CQG, Algo Design Lab

FULL STACK APPLICATIONS & PROGRAMMING EXPERIENCE

Mentor Match

2018

- Collaborated on a team of five to create a React Native Application that uses an algorithm to match developers based on experience and technology expertise.
- Wrote and maintained MySQL database leveraging Sequelize for applicable queries.
- Co-wrote codebase for client-side and server-side communication in NodeJS.
- Maintained Rest API to access user databases.

Data Aggregator

2016-2017

- Created and maintained application in Python that parsed weekly, monthly, and quarterly reports from web into filtered readable files to alter short-term trade forecasts.
- Improved trade latency by automating updates when reports released.
- Applied Matplotlib for data visualization and context.
- Managed historical and current data in MySQL database.

EXPERIENCE

Northwestern University Coding Bootcamp | Teaching Assistant

November 2018 - Present

- 24 week, full-stack web development immersive.
- Assist with curriculum that includes relevant web technologies & current best practices.
- Keep students motivated, engaged and focused on successfully completing full stack applications.
- Test, grade, & debug student assignments & applications.

The Law Offices of Susan Bogart | Technical Consultant

July 2018 - Present

- Assisting in federal web development trade secrets litigation.
- Manage Jira tickets and query database of over 150,000 documents.
- Organize trial, deposition & expert report documents in MySQL database to create dynamic summary documents.

Menomonee Holdings LLC | Trader

June 2017 - June 2018

- See details below.

HC Technologies, LLC | Trader

January 2016 - May 2017

- Deployed Data Aggregator to update short term price forecasts and influence trade execution.
- Created and maintained Commitment of Traders report to map market positions.
- Ran various term strategies across CME futures and options markets.

Menomonee Holdings LLC | Trader

October 2014 - January 2016

- Established a self-funded trading operation.
- Applied Algo Design Lab to implement relative arbitrage and TAS strategies.
- Created an automated short-term fundamental arbitrage strategy that ran in eight contracts across several CME agricultural products.

- Successfully deployed open interest and cost of carry hedging strategy across five commodities.

Edge Trading LLC | Partner; *Trader*

January 2012 - October 2014

- Managed active short, mid, and long-term positions across multiple commodity futures curves.
- Migrated correlation processes to further influence trade decisions.
- Solely responsible for trading profits totaling approximately \$750,000 on \$50,000 initial capital invested.

Icarus Trading | *Trader*

September 2008 - January 2012

- Created indices in Bloomberg Terminal and implemented custom, non-exchange listed, inter-commodity spreads.
- Established top-down correlation process used to filter risk and influence trade decisions.
- Collaborated on agriculture and US treasury futures and options positions.

EDUCATION

Northwestern University

May 2018

Software Development Immersive

24-week program dedicated to building web applications using various languages and technologies

University of Illinois at Urbana-Champaign

May 2008

Bachelor of Liberal Arts and Sciences Degree – *Political Science & Government*

LEADERSHIP

Christ the King Jesuit College Preparatory High School

August 2011 - December 2015

Rising Leadership Council Member