

JAKE PECK

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Driven and creative software engineer who brings unparalleled energy into everything I do. Motivated by solving challenging problems at the intersection of business, data, and technology, I enjoy creating groundbreaking technologies and changing the world one line of code at a time.

SKILLS

JavaScript | HTML | CSS | C++ | Python | VBA | Microsoft Excel | NodeJS | ExpressJS | MongoDB | ReactJS |
React-Redux | SQL | MongoDB | Mongoose | PostgreSQL | Flask | SQLAlchemy | Microsoft Office

EXPERIENCE

GENERAL ASSEMBLY | Software Engineering Immersive Student | Remote 04/2021 - 07/2021

- Completed 500+ hour full-time course in 12 weeks gaining hands-on experience with front-end and back-end technologies while further strengthening foundation in computer science concepts such as object-oriented programming and algorithm complexity. Developed 4 main projects, highlights include:
 - Barber Booking Buddy** - [\[GitHub Repo\]](#) - *PostgreSQL, Express, React, Node.js, HTML, CSS* - Developed full stack application in a 3 member team that allows visitors to view a barbershop's staff, services, and reviews. Authenticated users can book, view, and cancel appointments, as well as create, view, edit, and delete reviews.
 - IceCreamSocial** - [\[GitHub Repo\]](#) - *Python, Flask, React, Redux, Node.js, HTML, CSS* - Developed full stack application with authentication that allows registered users to create, edit, and delete posts, as well as comment on existing posts. Both registered users and application visitors can view posts and data regarding other users.
 - Happy Hour App** - [\[GitHub Repo\]](#) - *Mongoose, Express, React, Node.js, HTML, CSS* - Created full stack application that allows users to post, retrieve, update, and delete information regarding their favorite happy hours. Built a RESTful API with full CRUD capabilities, conditionally rendered model data using React class components.

VALKYRIE TRADING | Senior Derivatives Trader - Crude Oil | Chicago, IL 09/2019 - 08/2020

- Executed crude oil futures and options trades in over-the-counter and electronic market venues in a 4 member team, producing average monthly trade volume of 15,000 contracts, generating profits of \$3MM+ in 2020.
- Maintained, updated, and executed Python scripts in Jupyter notebook to produce end-of-day reports, reducing trade and position reconciliation errors to less than 1%.
- Assisted in user testing proprietary dashboard tools, collaborated cross-functionally with technology team to enhance data visualization efforts and tool functionality.

CONSOLIDATED TRADING | Derivatives Trader - Crude Oil | Chicago, IL 05/2015 - 11/2018

- Led crude oil options market-making desk, facilitated derivatives trading across over-the-counter and electronic market venues producing average trade volume of 20,000 contracts per month, with profits of ~\$2MM+ per year.
- Developed preliminary settlement profit & loss program using VBA and Excel, later assisted in-house database development team to automate process, reducing wait time by over 80%.
- Assisted development team in improvement of electronic quoting algorithms, expanding market coverage and resulting in 25% increase in electronic quote trade volume.

EDUCATION

GENERAL ASSEMBLY | Software Engineering Immersive | Remote 04/2021 - 07/2021

UNIVERSITY OF MICHIGAN | Stephen M. Ross School of Business | Ann Arbor, MI 09/2011 - 12/2014

Bachelor of Business Administration, with Distinction

- Concentration in Finance, relevant coursework includes: Programming & Data Structures, Data Structures & Algorithms, Discrete Mathematics