

# VLADIMIR BERKA

Phone: (832) 368-5421 | Email: vlad.m.berka@gmail.com | Seattle, WA

LinkedIn: <https://www.linkedin.com/in/vladimir-berka/> | GitHub: <https://github.com/vlad-berka>

Portfolio: [https://vlad-berka.github.io/Professional\\_Portfolio\\_v2/](https://vlad-berka.github.io/Professional_Portfolio_v2/)

## SUMMARY:

Structural Engineer of 8 years turned into aspiring software developer. Currently earning a certificate in Full Stack Web Development with strengths in communication and analytical reasoning. Passionate about puzzles and tabletop games with an insatiable desire to solve complex logic problems in a software development environment.

## TECHNICAL SKILLS:

Current: JavaScript, HTML, CSS, SQL, MySQL, Express, Node, Handlebars, jQuery, Bootstrap

In Progress: MongoDB, React

## PROJECTS:

***Magic the Gathering, Commander Results Tracker & Web App*** | [https://github.com/vlad-berka/MTG\\_EDH\\_Tracker](https://github.com/vlad-berka/MTG_EDH_Tracker)

Deployed Link: <https://mtg-edh-stat-tracker.herokuapp.com/>

- Summary: Personal web app that allows users to login and enter their personal MTG Commander game results for casual tracking. Additional functionality includes compiling statistics (projected win rate against certain opponents, highest win rate among the playgroup, etc.) with a highlight of top performing decks and players.
- Tools: HTML, CSS, Bootstrap, MySQL, "Scryfall" API fetch, Node, Express, Bcrypt, Sequelize, Handlebars

***Collaborative: Online Restaurant Ordering Application ("Ben's Diner")*** | [https://github.com/wonjong2/Bens\\_Diner](https://github.com/wonjong2/Bens_Diner)

Deployed Link: <https://bens-diner.herokuapp.com/>

- Summary: Group bootcamp web app for a fictional restaurant that allows for online ordering and processing of desired user orders. Project is re-usable and scalable for prospective future clients using the same framework.
- Responsibilities: Back-end database, seeds, several front to back-end routes, and JavaScript helper functions
- Tools: HTML, CSS, Bootstrap, MySQL, Node, Express, Bcrypt, Sequelize, Handlebars, QRCode

## EXPERIENCE:

**Project Engineer (Structural Engineering, Licensed P.E.)** ..... Jan. 2020 – Current

Staff Engineer ..... May 2018 – Jan. 2020

*Swenson Say Fagét* ..... Seattle, WA

Engaged in approximately 150 structural engineering designs for residential and commercial buildings per year.

- Communicated structural information, design requirements, and expectations to multi-disciplinary teams
- Developed various office spreadsheets as design aids, accelerating structural calculations by several hours
- Led meetings between build teams to convey technical information and reduce costs by approximately 20%
- Conveyed structural solutions to installation errors in construction reducing delays by at least one day, each

**Engineer in Training (Structural Engineering)** ..... May 2014 – May 2018

*INSIGHT Structures, Inc.* ..... Houston, TX

Prepared structural designs and directed construction observations on approximately 75 residential buildings per year.

- Mentored three junior engineers in structural calculations, standards, and construction site observations
- Executed independent construction visits for structural framing inspections and observations daily
- Illustrated design requirements to architects and builders to reduce construction costs by approximately 10%

**EDUCATION:**

**Full Stack Coding Bootcamp Certificate** ..... Expected: Aug. 2022  
*University of Washington*

**Master of Science in Civil Engineering** ..... May 2018  
*University of Houston*  
Thesis: A Parametric Study of the Stress-Slip Relationship of Non-Linear Adhesives in CRFP Applications

**Bachelor of Science in Civil Engineering** ..... May 2014  
*University of Houston*