

# Jacob Daniel Rudlong

Rochester MN; (507) 271-8736, [jrudlong@gmail.com](mailto:jrudlong@gmail.com), [LinkedIn](#), [Github](#), [Portfolio](#)

## SUMMARY:

Fullstack JavaScript Software Engineer with a rigorous STEM background. Military veteran with a strong sense of professionalism and soft skills in addition to a toolkit of highly relevant development skills.

## TECHNICAL SKILLS:

- ★ **Programming:** JavaScript (ES6), TypeScript
- ★ **Web:** HTML5, CSS3, CSS Frameworks
- ★ **Server:** Express.js, Insomnia, bcrypt, sessions, JWT
- ★ **Node.js**, npm packages (inquirer, etc.)
- ★ **Backend/db:** MongoDB/Mongoose.js, SQL/sequelize
- ★ **Front-end:** React.js, JSX**Progressive Web Apps**, Webpack, HMR, manifest, indexedDB
- ★ **Testing:** jest
- ★ Able to work alone as needed, but also a collaborative team player.
- ★ Significant writing experience in a broad range of academic and technical styles.

## PROJECTS:

- Gameboxd** – *MongoDB, React.js + Apollo client/GraphQL, JWT, Material UI, 3rd-party APIs*  
[Deployed Site](#), [Github Repo](#)
- Love Hungry** – *Express.js, Handlebars.js, SQL/sequelize, Bulma, JavaScript, sessions*,  
[Deployed site](#), [Github repo](#)
- Groupie Gang** – *JavaScript, Bulma CSS, jquery, localStorage, 3rd-party APIs, version control*  
[Deployed site](#), [Github repo](#)

## EXPERIENCE:

- Teacher/Tutor**, *Huntington Learning Center, Rochester, Minnesota* Aug 2022-current  
★ ACT prep course teacher, K-12 & college subject tutoring, learning center teacher
- Research associate, PhD Candidate**, *University of Rochester, New York* Aug 2018-May 2021  
★ Carried out independent research based on self-designed thesis statement and hypotheses  
★ Designed analysis methods for testing hypotheses; utilized statistical packages, image processing software; published academic papers and awarded NIH grant.
- Makerspace member**, *University of New England, Maine* Aug 2016-May 2018  
★ Used python to write programs for working with data from open-source EEG probes  
★ Used node-red (node.js) to connect data to cloud;  
★ Helped other students with arduino use (C++), 3D-printing, brainstorming project ideas, etc.
- Research assistant**, *University of New England, Maine* Aug 2015-May 2018  
★ Performed research for multiple lab projects, documented and analyzed results, presented data at multiple conferences and symposia.
- Crew Chief**, *United States Air Force, Ellsworth AFB, South Dakota* Aug. 2011-Jan. 2015  
★ Supervised new arrivals on aircraft inspection, maintenance, and documentation practices.  
★ Coordinated maintenance, ordered replacement parts, managed overnight support section.

## EDUCATION:

- Columbia University School of Engineering**, New York April 2023  
★ Fullstack Software Engineering Bootcamp Certificate
- University of Rochester**, Rochester NY 2018 - 2021  
★ Master of Science: Neuroscience
- University of New England**, Biddeford, ME 2015 - 2018  
★ Bachelor of Science: Neuroscience, Minor: Applied mathematics

