

Jacob Daniel Rudlong

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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), python
- ★ **Web:** HTML5, CSS3, CSS Frameworks
- ★ **Server:** Express.js, Insomnia, bcrypt, sessions
- ★ **Node.js**, npm packages (inquirer, etc.)
- ★ **Backend/db:** MongoDB/Mongoose.js, SQL/sequelize
- ★ **Front-end:** React.js, JSX, JWT
- ★ **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