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,
- **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:
Love Hungry – *Express.js, Handlebars.js, SQL/sequelize, bootstrap, JavaScript, sessions*,
    Deployed site, Github repo

Groupie Gang – *JavaScript, Bulma CSS, jquery, localstorage, 3rd-party APIs, version contro*l
    Deployed site, Github repo

HR Simulator – *SQL/mysql2, inquirer.js, JavaScript, node.js CLI app*
    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