Breanna Nelson

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Objective: Full Stack Web Developer experienced in frontend and backend technologies, responsive frameworks, and databases, that adhere to best coding practices. Applying my unique perspective from my background in applied mathematics, team management and my meticulous attention to detail, assists in producing highly efficient complex algorithms and graphically creative products from mockup to rollout.

Language:	JavaScript, HTML5, CSS3, C#, C++, Matlab, R
Databases:	mySQL, MongoDB, Firebase
Frameworks:	Node.js, Express JS, jQuery, React JS, React Native, Bootstrap, Angular, ASP.NET
Technologies:	MVC, ORM, REST
Mythologies and Environment:	CRUD, Git, VS Code, Sublime, Eclipse, Agile, Jira, Confluence, Trello
Other:	NPM, Media Queries, APIs, JSON, AJAX, CLI, computer science fundamentals, Nightmare.js testing, team management, leadership, written and oral communication skills
Advanced Mathematics:	Complex, Numerical, Real and Data Analysis (in big data), Statistics. Probability, ODE/PDE

Education:

Full Stack Web Development Coding Certification	July 2018
University of California, Irvine	
Irvine, California	
Bachelor of Science, Applied Mathematics	July 2016
University of California, San Diego	GPA: 3.44
La Jolla, California	

Relevant Experience:

Backend Engineer, **UCI**, Irvine CA   January 2018 – Present

Project: *Uni Chat, a place where u n i chat*

Description: A communication platform for universities that allow students to share information anonymously, in a safe regulated environment, overseen by Resident Assistants and Administrators.

Tasks & Roles:

- Designed and structured database
- Designed routes for REST API
- Handled user authentication and tokens

- Rendered pages dynamically, based on user context (administrator, RA, students)
- Ran unit tests with Nightmare.js
- Implemented and released the application using the CRUD methodology

Environment: GIT, JavaScript, Node JS, Express JS, MySQL and Sequelize, MVC architecture, HTML, CSS, NPM

Application URL: https://u-n-i-chat.herokuapp.com

Work Experience:

Math Quality Control Specialist, **McGraw-Hill Education**, Irvine, CA   November 2016 – Present
- Contracted through KForce to analyze and evaluate mathematical algorithms for accuracy and functionality.
- Classified the soundness and correctness of both student and teacher solutions.
- Assisted and developed quality control procedures applied to content implementation programming.
- Developed solutions to complex quality control issues.

Resident Assistant, **The Village at UC San Diego**, La Jolla, CA   August 2015 – June 2016
- Responsible for the safety of 75 residents as well as for conflict resolutions utilizing interpersonal and communication skills.
- Designed and executed events for Village residents in order to develop a diverse and educational community atmosphere.

Memberships/Awards:

Phi Theta Kappa, National Honors Society member   January 2013

Society of Undergraduate Mathematics Students (SUMS) member   September 2014

UC San Diego's Social Justice Committee, member   September 2015 – June 2016