Courtney Fay Front-End Web Developer

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**SUMMARY**

• 2.5 years of experience in data analysis, data visualization, and report automation  
• Diverse industry experience, including healthcare, international education, and government  
• Articulate and approachable; enjoys translating technical concepts for end-users and stakeholders  
• Passionate about Natural Language Processing (NLP), Machine Learning and Artificial Intelligence (AI)

**SKILLS**

*HTML5 CSS3 JavaScript React Angular 4 Bootstrap Three.js SQL*

**PROJECTS**

**Jokebot**, Spruce Labs, *Denver, CO* Jan 2018

• Developed React chatbot that responds to user input with a joke using IBM Watson Conversation API

*React components | JSX | Inline CSS styling | Flexbox | Webpack | Express.js | Node.js | Heroku*

**Race Cube**, General Assembly, *Denver, CO* Dec 2017

• Utilized cutting-edge 3D library and physics engine to create Mario Kart-style racing game

*Three.js | Physijs | EJS templating | AJAX | Express.js | Node.js | Sequelize | PostgreSQL | Heroku*

**Swipebite**, General Assembly, *Denver, CO* Nov 2017

• Architected data flow for app that gives directions when users swipe right on images of nearby food

*Angular 4 | Passport authorization | Express.js | Node.js | Sequelize | PostgreSQL | Heroku*

**BookMe**, General Assembly, *Denver, CO* Oct 2017

• Developed app that analyzes entity and sentiment of book excerpts to recommend new reads

• Presented on Natural Language Processing (NLP) algorithm at November 2017 DenverScript meetup

*Bootstrap | JavaScript | jQuery | AJAX | Node.js | Selenium | Mongoose | MongoDB | Mocha*

**EXPERIENCE**

**Technology Teacher**, *DCIS Montbello*, Denver, CO Aug 2016 – Jun 2017

• Managed computer science projects for 450 middle school students using MIT App Inventor

**SQL Data Analyst**, *Fairfax Family Practice Center*s, Fairfax, VA Aug 2013 – Dec 2015

• Owned, developed and delivered automated monthly report to 400 users using SQL, Excel and SSIS

• Planned and coded 50 new alerts for C#/.NET decision support app using test driven development

**Technology Integration Facilitator**, *Qatar Academy*, Doha, Qatar Aug 2012 – Jun 2013

• Led weekly, personalized training to help 10 STEM teachers integrate new tech tools into classrooms

**Curriculum Designer and Instructor**, *EXPLO at Yale*, New Haven, CT Jan 2012 – Jul 2012

• Planned and refined 45 lessons for 3 unique courses, and taught to 100 gifted high school students

**EDUCATION**

**General Assembly**, *Web Development Certificate*, Denver, CO Sep 2017 - Dec 2017

**University of Virginia**,*M.Ed., Instructional Technology*, Charlottesville, VA Aug 2010 – Dec 2011

**University of Virginia***,**B.A., English*, Charlottesville, VA Aug 2006 – May 2010