

Christy Welsh

Summary

I am an excellent engineer and problem solver with a background in mathematics education and technical writing. Over the past year, I took the initiative to complete a full stack curriculum based in Node.JS. This opportunity added web development to my experience as a tenured teacher with a credential that includes number theory and statistics. I am a perfect fit for computer programming because I am a logical thinker, organizational guru, and self-disciplined worker, always striving for excellence and efficiency in the details.

Technical Skills

• HTML	• SQL	<i>Familiarity with</i>
• CSS	• MySQL, PostgreSQL, etc.	• Python
• JavaScript	• MongoDB	• Java
• Node.JS (React & Express)	• Git	• AWS
• JQuery	• Heroku	• Passport.JS
• Bootstrap, Material UI, etc.	• AWS Ec2 & RDS	• Stripe.JS

Experience

Full Stack Web Developer, Student; Covalence, MongoDB University, Udacity, etc. (Dec 2017 – Mar 2019)

- Created full stack React web apps that excel in design, functionality, secure login, payment processing, access to external APIs, etc.
- Implemented React frontend, RESTful Express backend, and SQL or MongoDB storage.
- Leveraged various resources to problem solve: debug, testing, research, Stack Overflow, React forums.

Tenured Teacher, Castro Valley High School, Castro Valley, California (Aug 2015 – Nov 2017)

- Designed and delivered instruction for students' math standards mastery in new curriculum and evolving state mandates.
- Integrated educational technology tools such as iPads, eBooks, ChromeBooks, graphing calculators, Desmos, etc. to engage students and meet individual learning needs.
- Managed the classroom environment of diverse students; from at-risk to high achieving, from a wide range of socio-economic backgrounds.

Teacher, Clayton Valley Charter High School, Concord, CA (Spring Semester 2015)

- Quickly established positive relationships with and remediated students' first semester skills.
- Designed and implemented interactive, standards-based Algebra lessons and assessments.
- Collaborated with parents, administrators, fellow teachers, and subject teams to exceed the goals of the school's math department.

Additional Experience

- **Resource Instructional Aide,** Foothill High School, Pleasanton, CA (2011 - 2014)
- **Tutor,** 10 years' experience guiding students elementary through college (2004 – 2014)
- **Science and Technical Writer & Copy Editor,** Various freelance roles (2007 – 2011)

Education

- **Full Stack Web Development,** Covalence, MongoDB University, Udacity, and other online certifications
- **Single Subject Teaching Credential** Mathematics, Patten University, Oakland, California
- **Technical Writing Certification,** San Francisco State University
- **Bachelor of Arts Degree** CSU Hayward, Summa Cum Laude