Caroline Tyler

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- /carolinetingwei

PROFILE

I am a graduate looking for unique opportunites to utilize and hone my skills as an effective developer and problem solver by working with professionals within the software development community.

TECHNOLOGIES

- C#
- HTML/CSS/JavaScript
- SQL
- Python
- Java
- Version Control
- MVC
- Entity Framework

EXPERIENCE

Since 08/2017

Software Development Intern
Red Pepper Software | Pleasant Grove, UT

- Design, build, and test core components of the Red Pepper Time Tracker in a 12-week time period.
- Implement effective building, debugging, and testing of JVWCD's website for water rebates.
- Contribute to and attend Daily SCRUM meetings.

Since 08/2017

Computer Specialist
Ivy Hall Academy | Provo, UT

- Implement and introduce curriculum based on practical computer skills including typing, coding, and internet browsing in grades K-8.
- Monitor students' performances, grades, and discipline.
- Enforce school policies and regulations regarding classroom management and instruction.

09/2015 - 04/2017

Research Lab Assistant
Dr. Perry Ridge Lab | Provo, UT

- Assisted Dr. Ridge in the Biology department with lab work concerning computational analyses and research.
- Experimented with PSSpred and BLAST to identify an organism based off the secondary structure of its amino acid chain.
- Advanced the publication of *Human Viruses Have Codon Usage Biases That Match Highly Expressed Proteins in The Tissues They Infect.*

05/2015 - 12/2017

Treasurer and Club Member
Bioinformatics Research Group | Provo, UT

- Managed the club's funds and oversaw the group budget while participating in group programming challenges.
- Collaborated on the ENCODE-DREAM in vivo Transcription Factor Binding Site Prediction Challenge.
- Designed scripts that manipulated DNase-Seq data to be in a proper form for pyDNase and machine learning techniques.

EDUCATION

06/2013 - 04/2017

Bachelor of Science in Bioinformatics
Brigham Young University | Provo, UT

Minor: Computer Science
GPA: 3.73