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JENNIFER YOUNG

SOFTWARE ENGINEER

EDUCATION

General Assembly Boston
Software Engineering Immersive

Dominican University
M.A. Teaching

**Schreyer Honors College
Pennsylvania State University**
B.S. Evolutionary Biology, Psychology
Minors in English & Sociology

TALKS & WRITINGS

**Using React Memo for a More
Performant User Experience**
Ginkgo Bioworks Digital Tech Blog
July 2020

Using GraphQL to Program DNA
Women Who Code Tech Talks
November 2019

TECHNICAL SKILLS

Python
Django / Flask
JavaScript
React / React Native
Node.js / Express.js
Ruby
Ruby on Rails

GraphQL / Graphene
RESTful APIs

PostgreSQL / MySQL
MongoDB

CSS / Sass / JSS

Cypress
Mocha / Jest / Enzyme

AWS Lambda / SQS
Celery

TypeScript / Flow

SOFTWARE ENGINEER II
Ginkgo Bioworks | Boston, MA | Nov 2018 - Present

- Designed and rapidly developed components of in house LIMS to expedite COVID-19 testing at scale through Concentric by Ginkgo Bioworks.

- Designed and developed components of a cloud based computer-aided DNA design software using a Django/Python, React/Javascript, and Postgres stack.

- Increased DNA design software capacity from 500 to 100,000+ molecules by implementing scalability solutions using AWS SQS and Lambda.

- Designed and developed sophisticated search for available in-house DNA parts to be used to synthesize desired DNA sequence using Snowflake, Django, React and Postgres stack.

Additional responsibilities Include:
Diversity and Inclusion Council: Education & Awareness Committee
- Dedicated committee to serve as Ginkgo's primary resource for providing education and promoting awareness on key diversity and inclusion issues.

Founder of Digital Tech Growing
- Facilitated monthly luncheons to increase participation in inclusion and identity exploration.

LEAD MOBILE DEVELOPER
Avana Technologies | Boston, MA | Jun 2018 - Nov 2018

- Collaborated with the CEO and Graphic Designer to develop an Android and iOS compatible mobile application usng React Native.

COMPUTER SCIENCE, MATH & SCIENCE EDUCATOR
Edward Brooke School | Boston, MA | July 2017 - June 2018

- Developed and taught the computer science curriculum for 200+ students.
- Founded Girls Who Code Club, co-led Lego Robotics Team, and coached basketball.

TEACH FOR AMERICA & AMERICORPS MEMBER
UNO Clemente School | Chicago, IL | Jun 2014 - June 2016

- Highly selective (>15% acceptance) network of leaders confronting educational inequity.
- Designed and taught Math & Science middle school curriculum.
- Founded the Mathletes team, coached basketball and volleyball.