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JENNIFER YOUNG

SOFTWARE ENGINEER

EDUCATION

General Assembly Boston
Software Engineering Immersive

Dominican University
M.A. Teaching
GPA: 4.0

Schreyer Honors College
Pennsylvania State University
B.S. Evolutionary Biology, Psychology
Minors in English & Sociology
GPA: 3.8

TECHNICAL SKILLS

Python
JavaScript
Ruby

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

GraphQL / Graphene
RESTful APIs

PostgreSQL / MySQL
MongoDB
AWS RDS

CSS / Sass / JSS

Cypress
Mocha / Jest / Enzyme

AWS Lambda / SQS
Celery

TypeScript / Flow

HOBBIES

Avid Reader
City Explorer
Art Lover
Coffee Aficionado

WORK EXPERIENCE

SOFTWARE ENGINEER II

Ginkgo Bioworks | Boston, MA | Nov 2018 - Present

- Developed a computer-aided DNA design software for calculating combinatorial libraries, enabling biologists to reach 300% increase in foundry output.
- Implemented scalability solutions with AWS to optimize capacity of DNA design software, increasing computations of combinatorial libraries from 500 to 100,000+ molecules.
- Developed a microservice automating ordering and receiving DNA sequences by integrating with vendor APIs, eliminating handoff lag time to ensure \$21M cash billings for 2019.
- Lead architect and developer for new microservice that standardizes tracking of lab samples that will drive team efficiency gains towards company wide goal of \$50M.

Additional responsibilities Include:

Diversity and Inclusion Council: Education & Awareness Committee

- Educated Ginkgo team members on diversity and inclusion in the workplace. Organized two community-focused events by partnering with organizations Women Who Code and She Geeks Out.

Founder of Digital Tech Growing

- Facilitated monthly luncheons to increase participation in inclusion and identity exploration.

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 for a user-friendly desktop 3D printer.

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.

INTERNATIONAL TEACHING

Jun 2016 - July 2017

- Traveled to 20+ countries, TEFL certified; taught in various locations around the world including Barcelona, Spain and Melbourne, Australia.

TEACH FOR AMERICA & AMERICORPS MEMBER

UNO Clemente School | Chicago, IL | Jun 2014 - June 2016

- Highly selective (>15% acceptance) network of leaders confronting educational inequity.
- Founded the Mathletes team, Coached basketball and volleyball.