

Organization Name: Hope for Youth (HYPE)

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Organization Mission: HYPE's mission is to plug the leaky tech pipeline problem for women and girls of color by building a tech talent network through intentional exploration, education, and empowerment. We empower girls of color with skills and preparation for becoming future leaders in tech careers, creating a pipeline of diverse talent for the tech industry.

Social Innovation Statement: HYPE is an innovator in the field of computer science education because of the socioeconomic factors that we consider in the curriculum and program development process. We understand that lack of representation and lack of access & exposure to tech careers and tech education are huge factors into the statistics showing that women of color are underrepresented in tech and entrepreneurship.

Internship Semester: Summer 2021

Project Title #1: Culturally Relevant Computer Science Curriculum & Portal

Keywords: Equity, Technology, Innovation

SLS Priority Issue Areas: Equitable Development

Priority SDGs: Quality Education (4), Gender Equality (5), Reduced Inequalities (10)

Project Background: Hope for Youth, Inc (d/b/a HYPE) provides 21st century skills and tech training to girls of color. Through computer science education, technology career exposure, and significant leadership & learning experiences, HYPE Scholars grow in civic mindedness & global awareness while preparing for careers of the future. Youth programs typically focus on number of students reached to define "impact"; however, as an organization that is focused on long-term and multi-generational impact, HYPE focuses on going deep rather than only reaching wide. We have also chosen to provide programming relevant to the experience of the woman/girl of color due to the alarming inequities and disparities for women of color when it comes to tech & entrepreneurship. At HYPE, we're not afraid of doing the hard work and the heavier lift of going beyond exposure to ushering students through the workforce development pipeline by providing supplemental skills, real-world work experience, international exposure to prepare them for the global economy, and leadership skills. In 2021, HYPE will be building an online portal to make our curriculum and programming accessible to all students. This project that we are proposing is a new project. We are looking for a technical intern who will be working on a team to complete development of the portal (built on Amazon Web Services infrastructure) and research its effectiveness with schools and students in historically low-income and low-access areas. Our goal for the project is to successfully build, test, and analyze effectiveness of online curriculum when it is developed with a specific audience in mind.

Project Timeline: This project will likely have multiple iterations that will extend beyond the summer internship; however, the intern will be responsible for deliverables that can be completed during their internship. The first iteration of the pilot is expected to be completed by 08/30/2021

Desired skills and qualifications: Data Analysis, Coding (beginner/intermediate), Written Communication

Deliverables: A functional and technical design document; Research report of findings from project test.