Plant Scientist, Horticulturist, Programmer, Raspberry Pi Amateur

Currently enrolled in Georgia Institute of Technology’s Computer Science Masters program, I have broad experience in biology and horticulture research with a strong technical background including Java, C++, and SQL. I have experience with mobile application, database, and website development.

EXPERIENCE

**Greenhouse Technician II** 2015-Present

*Donald Danforth Plant Science Center, St. Louis, MO*

Manage 9 research greenhouses for internal and external clients. Main duties include all plant care such as nutrient and water management, pest control, and pollinating. Built and manage the Donald Danforth Plant Growth Facility website (pgf.danforthcenter.org). Assist in the management of ARGUS environmental control systems. Build custom mobile applications for greenhouse team.

**Laboratory Technician I**  2014-2015

*Donald Danforth Plant Science Center, St. Louis, MO*

Managed greenhouse experiments for the Institute for International Crop Improvement at the Danforth Center. Duties included designing and conducting greenhouse experiments, developing protocols for testing herbicide resistant plants, and collecting and organizing data.

**Greenhouse Technician I** 2013-2014

*Monsanto, St. Louis, MO*

Contracted by Monsanto to work with the Plant Growth and Research Management department. Duties included care and maintenance of plants and greenhouses of corn, wheat, and soybean.

**Research Assistant** 2011-2013

*University of Missouri - Columbia, Columbia, MO*

Assistant researcher at the National Center for Soybean Biotechnology. Duties included working in the fields planting and phenotyping soybeans in mutant and breeding blocks, assisting with PCR and electrophoresis in the lab, and managing the lab’s plants in the greenhouse.

EDUCATION

**Master of Computer Science;** Georgia Institute of Technology, Atlanta, GA expected 2019

**Bachelor of Arts in Biology;** University of Missouri, Columbia, MO 2012

**Bachelor of Arts in Mathematics and Psychology;** University of Missouri, Columbia, MO 2010

TECHNICAL SKILLS

**Proficient:** Java, C++, SQL

**Familiar with:** Python, HTML, CSS, Android