

GROWNETICS

Manufacturing and Process Engineering Intern

03/06/2018

Company Introduction

Grownetics is the future of agricultural artificial intelligence, and recognized as one of the most advanced cannabis technology companies in the world. By combining big data and machine learning optimization algorithms, Grownetics helps growers reduce costs, decrease energy usage, and increase overall quality and yield. Think the “self driving car” for agriculture, a smart-thinking, fully automated farm. The 60% operational cost savings experienced by Grownetics customers have been validated by the University of Colorado's associated research team and the company has won awards including "Best New Technology Company" from the University of Colorado and the Denver Post's award for "Best Cannabis Technology Startup” in the USA.

Working at Grownetics

Grownetics is a remote-first company. In this age of innovation and instant global communication we think it is silly to limit our potential talent pool to people who happen to be located in a specific geographic area. We provide a great deal of agency to our employees and trust them to manage their time effectively to complete what they need to get done, while still maintaining a healthy work/life balance. As such we are looking for a specific type of personality that is compatible with how we work.

- Self-starters who can get things done without always needing clear direction.
- Good writers. We communicate primarily online, so all teammates must be able to communicate effectively.
- Detail oriented, erring on the side of over communication.

Role to Fill: Manufacturing and Process Engineering Intern

We're a small, nimble team so we can't afford to manufacture "intern-work." Our interns are our colleagues, and their code, designs, and ideas have the power to affect millions of people around the world. Learn deeply and broadly from an experienced team of world class engineers, designers, product managers, and researchers.

Position Summary

Provide engineering project support in areas such as process engineering, rapid manufacturing, systems installation, increased failure mode detection through hardware and software IOT solutions or process optimization efforts, development of Arduino/Raspberry Pi solutions to gather data in a high volume cannabis cultivation facilities.

Responsibilities

- Daily activities would be working with a process engineer to make progress on projects important to meet our production and quality goals.
- Work with minimal oversight by an engineer, able to get oriented quickly with a project in order to make meaningful progress independently.

Requirements

- 12+ week consecutive availability
- Master with a soldering iron
- Graduation plan by 2019 or winter 2018
- Pursuing a degree in Electrical Engineering, Physics, Chemical, Computer science
- Use rapid prototyping services to quickly iterate solutions
- Experience working in an Agile/Scrum development process
- Solid understanding of sensors and control systems
- Excellent communication and presentation skills
- Capable of acting as a PM when needed
- Strong interest in process optimization

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- Self-motivated attitude with the ability to work in a fast-paced, sometimes ambiguous work environment
 - Ability to think at a high level about design implications/limitations
 - Be a proven self starter who constantly seeks to improve our product
 - Must have a passion for Ag Tech, Farming, Sustainable Practices
 - Modern Laptop Computer with internet connection
 - Headset and quiet environment for pair programming and video calls.
 - Business maturity, creativity and the ability to influence and deliver high quality results that support the business objectives. That is easy to say, but it takes someone who leverages exceptional analytical skills, excellent judgment, a high quality orientation, and strong communication skills and who gets things done.
 - Good problem solving track record.
 - Experience with prior hardware projects in engineering courses or STEM competitions highly recommended.
 - Knowledge of metrology tools for thickness, refractive index, stress and resistivity as well as scanning electron microscope, and defect inspection is desirable.
 - Ability to work with Arduino project boards, assorted sensors and successfully work in the programming environment.
 - Ability to use statistical and/or appropriate software tools (Excel, JMP, SPACE, etc.) for data analysis related to process deviations and equipment performance.
 - Ability to learn and develop expertise in new software applications specific to operations, manufacturing, automation, and control systems.

Perks

- Paid internship
- Be part of an world class team solving some of humanity's greatest challenges
- Opportunity for the right candidate to be hired into a full time role
- Fun and fast paced work environment in the heart of downtown Boulder
- You'll get 1:1 mentoring directly from the COO and head of product

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- Have an opportunity to work on real projects with experienced employees and have a direct impact on the company. (Our internships are not summer camp!)
 - Flexible working hours

Hiring Process and How To Apply

In order to protect our culture and quality of work Grownetics implements a blind hiring process and hire slow policy. If you are selected for the position it will begin as contract to hire for a 3 month trial period followed by an offer for the first year.

1. Make sure you qualify, no recruiters or agents.
2. US Citizens Only
3. Background Check Required
4. Fill out the job application at the link below
 - a. <https://goo.gl/forms/WDVukhttgSh3pRNa2>
 - b. Email your resume and cover letter to jobs@grownetics.co
5. Due to our blind hiring process it is important you only put personal information in where designated.
6. We will contact you within 30 days.