



# GARBAGE TO GARDEN

## 2016 Web Development Internship

### Position Summary

Garbage to Garden seeks two web development interns for a paid summer internship position focused on building, testing and launching a web-based mobile software application for use in Garbage to Garden's fleet operations. This web app will leverage almost 4 years of development and real-world testing of Garbage to Garden's proprietary Customer Relations Management (CRM) platform.

The internship will focus primarily on developing a front-end framework for displaying and accessing customer and route data, integrating with existing databases and functions, enhancing the user experience, making recommendations for interface design, and working with the lead developer, field operators, office staff and other interns to refine and launch the final application.

The anticipated weekly schedule is approximately 32-40 hours and the duration of the internship is 8 to 10 weeks, although this is flexible and can be tailored to the intern's academic schedule. The interns will be supervised by Garbage to Garden Lead Developer, James Nelson.

Garbage to Garden is a mission based for-profit curbside composting company that provides curbside compost service to households, businesses and events in the greater Portland area. The majority of the internship will be completed on-site at 57 Industrial Way in Portland, ME.

### Anticipated Learning Outcomes:

- First-hand experience working with Garbage to Garden office staff and field operators in a project coordination role to develop a modern web-based application from concept to launch
- Improving real-world software that automates significant portions of day-to-day operations
- Experience working as part of a team in a fast-paced and high-growth business environment
- Opportunities to learn about Garbage to Garden's mission and services as well as the grassroots methods and tactics that support the company's mission based growth
- Greater awareness and understanding of waste management channels

### Essential Responsibilities:

Late May / Early June

- Review existing systems, build roadmaps for future systems and create a flexible timeline including milestones, testing phases and deadlines

June

- Work collaboratively with other staff and interns to create responsive application views, integrate with existing CRM functions, and provide feedback and recommendations
- Integrate modern libraries to enhance and improve the quality of the user experience

July

- Setup new hardware systems for application deployment and begin testing - both independently and as a team - and coordinating live tests on the route with field operators
- Track errors and feedback from field operators to refine, update and re-test software

Early / Mid August

- Make final adjustments to software and prepare hardware for launch
- Prepare supplemental training materials for using the software

### **Desired Qualifications:**

The ideal candidate will have:

- polished front-end web development skills including HTML, CSS, and JavaScript
- experience with common JavaScript libraries like JQuery and Bootstrap
- knowledge of industry tools such as FTP clients, Google APIs, Google Docs
- a curious mind and the initiative to find answers independently
- the ability to work solo or with small teams to complete objectives

While not required, the ideal candidate will also have:

- experience setting up and maintaining a variety of hardware and operating systems
- knowledge of networking and working with mobile operating systems
- a sharp eye for modern design practices and user interfaces
- flexibility and organizational skills to maintain timelines

### **Direction and Support for Internship:**

- Introductory meetings that will include an overview of the company and history, the software and hardware systems currently in place, and dynamically planning a roadmap for launch
- Weekly meetings with the creative staff to identify goals and progress
- Participation as part of a project team that includes multiple staff, field operators and interns
- Opportunities for constructive feedback throughout development

### **Targeted Majors:**

- Computer Science
- Information Technology
- Technology Management

Although web-development skills and experience are recommended, all are welcome to apply.

### **How to Apply**

Please submit a cover letter, current résumé, and the names and contact information of at least two academic and/or professional references. Please also include one or two examples of team projects you have completed with colleagues or classmates by sharing a work product along with a brief explanation of the goals of the project and your roles or contributions to the project.

If possible, please combine the above into a single PDF file and email it to [interns@garbagetogarden.org](mailto:interns@garbagetogarden.org) with the subject line "Web Development Internship". The internship placement will remain open until filled, but preference will be given to applications received by Friday, April 8, 2016. Please contact James Nelson at the email address above or (207) 332-0277 if you have questions.