

# Daniel Roop

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## Skills

- Dedicated to creating sustainable outcomes by increasing system efficiency and employing innovative strategies
- Experienced in working as part of a multidisciplinary team, engaging stakeholders, and creating public-private partnerships
- Leading teams from project scoping to execution

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## Experience

2019-PRESENT

### **Sustainability Specialist / City of Boise, Idaho**

- Develop and implement sustainability programs for the Department of Parks and Recreation
- Lead teams from various business units in implementing citywide sustainability goals
- Responsible for budget management, bidding, record keeping and reporting for chemical and water use programs
- Project manager for City of Trees Challenge leading all phases of project management including managing staff, contractors, and consultants in executing a political initiative with a 10-year planning horizon
- Provide leadership to the entire department in scoping and developing Parks and Recreation chapter of citywide sustainability plan in the city's efforts to achieve net zero carbon emission by 2050
- Managed public engagement and changed management strategies for projects that impacted individual park users' experiences

2014– 2019

### **Horticulture Technician / City of Boise, Idaho**

- Responsible for managing large scale urban regional park facilities for public use
- Inspect, troubleshoot, and manage output for complex irrigation systems to ensure public benefit
- Provide technical guidance on irrigation system design for construction of new park facilities and retrofits of existing facilities
- Managed seasonal staff in daily operations including mowing, irrigation repairs, public access
- Developed innovative trial approaches for turf management including executing a top-dressing program with a multiyear planning horizon to reduce water use and increase turf quality for organized sports

2013– 2014

## **Installation Manager / Seattle Urban Farm Company, WA**

- Managed employees responsible for hardscape garden installation in an urban environment
- Established and maintained design criteria for site assessments in executing client's vision
- Managed bids, client communication and budget management for projects

2010

## **Biomedical Research Fellow / Idaho INBRE Grant #P20RR01654, Idaho**

- Competitive selection focused on biomedical science research
- Research on epitope mapping of detection antibodies for Potato Virus Y
- Presented results at the 2010 and 2011 Annual INBRE Research Conferences in Moscow, ID.

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## **Education**

AUGUST 2013

### **MS. Environmental Engineering / University of Idaho**

DECEMBER 2011

### **BS. Biological & Agricultural Engineering / University of Idaho**

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## **Publications**

### **Epitope Mapping for Monoclonal Antibodies Recognizing Tuber Necrotic Isolates of Potato Virus Y**

- Co-Authorship, American Journal of Potato Research, 89(2), pp. 121-128 2012

### **Cradle to Gate Life Cycle Assessment of Locally Produced Beef in the Palouse Region of the Northwestern U.S.**

- Primary author, Transactions of the ASABE, 56(5), pp. 1933-1941 2013

### **Cradle to Gate Life Cycle Assessment of Regionally Produced Beef in the Northwestern U.S.**

- Primary author, Transactions of the ASABE, 57(3), pp. 927-935 2014