

## **EDUCATION**

**Master of Science in Geological Sciences**, University of Colorado, Boulder, CO, December 2007

- Thesis: Determining the influence of antecedent soil moisture conditions on rates of plant water use

**Bachelor of Arts**, University of Colorado, Boulder, CO, May 2004

- Double Major: Environmental, Population, and Organismic Biology - Plant emphasis; Environmental Studies
- Independent Snow Hydrology Project – Analyzed data to quantify the effects of snow sublimation from the forest canopy on local water yields
- Volunteer at the Campus Greenhouse

## **WORK EXPERIENCE**

*Kavana Ventures*, Denver, CO (November 2023 – Present Day)

### **Real Estate Investor**

- Purchased first rental in 2006 using utilizing various mortgage strategies
- Prioritized real estate investing with a focus on house flipping in Denver, CO, and Indianapolis, IN while maintaining rental properties in both locations

*Bluelab/Autogrow*, Remote work (June 2022 – March 2023)

### **Senior Technical Specialist**

- Provide training, support, and consulting services to growers using the Autogrow suite of products in commercial grow operations
- Initially brought on as a specialist in Autogrow control systems for Cannabis cultivation but expanded expertise to support growers of vine crops, berries, and leafy greens worldwide

### **Cannabis Cultivation & Operations Experience (2004 – 2022)**

- Led cultivation operations at multiple facilities, including L'Eagle Services, Bud Fox Supply, Vertica Farms, Smart Care LLC, and PGJ Enterprises
- Increased flower canopy utilization and optimized greenhouse operations to enhance yields by 30-58% year-over-year
- Designed and implemented fully automated hydroponic fertigation and drip irrigation systems integrated with Autogrow control systems
- Established organic Integrated Pest Management (IPM) programs incorporating beneficial insects
- Expanded cultivation facilities, increasing operational square footage from 7,000 to 18,000 sq. ft.
- Reduced downtime in flower rooms by 50% and introduced a wholesale clone revenue stream generating \$50K within three months
- Managed residential and large-scale commercial grow operations, including medical and recreational cannabis facilities
- Expertise in multiple cultivation methods, including soil, coco, Rockwool, deep water culture (DWC), hand-watering, and automated irrigation

*University of Colorado at Boulder - Department of Geological Sciences (September 2004 – May 2006)*

**Research and Teaching Assistant**

- Assisted in the setup of two meteorological tower stations
- Designed and built field site
- Collected and processed all data for soil hydrology parameters
- Installed and maintained all instrumentation
- Supervised three undergraduate students doing research as part of the Undergraduate Research Opportunities Program

**AWARDS/GRANTS**

- Named “Best Dispensary Cultivation” by Denver Westword Magazine, March 2018
- Recipient of the NCIA “Excellence in Innovation for Cultivation” award, February 2018
- Chosen to perform research under a grant from the National Science Foundation (NSF) through the Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA), September 2004 - May 2006
- Recipient of a Shell Research Grant, January 2005

**SKILLS**

- **Computer:** HubSpot, METRC, Complia, MS Office, MATLAB, SAS, Slack.
- **Laboratory:** GroSens, Soil Moisture, pH, Texture, Nutrient Analysis, and Bulk density.