

Dominique Pincot

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Education

University of California, Davis, Davis, CA

Master's Degree in Horticulture and Agronomy, expected June 2017

Tufts University, Medford, MA

Bachelor of Science in Biology, Cum Laude

Relevant Experience

Research Assistant at Dr. Colin Orian's Lab, Tufts University, Summer 2014

- Created and autoclaved media.
- Prepared samples and dilutions.
- Isolated bacterial, fungal, and yeast samples for further identification from eastern Hemlock (*Tsuga canadensis*).
- Planted, reared, and measured tea plants (*Camellia sinensis*) for drought-tolerance assessment.

Analyst at Primus Laboratories, Salinas, CA, Summer 2013

- Performed analyses and microbiological tests (FDA-approved) for Salmonella, E.coli, Listeria, and other species in commercial crops and products.
- Conducted extensive q-PCR analyses for all species.
- Executed laboratory surface and autoclave quality tests to prevent contamination.
- Created agar media and blood broths.
- Recorded and transferred test results to database.

Student Intern at Santa Maria Seeds, Santa Maria, CA, August 2012

- Analyzed in-field trials of new crop varieties.
- Rated new types for their potential in the market.
- Seeded new field trials.

Student Intern with Seminis, Santa Maria, CA, July 2012

- Observed in-field crop analyses.

Student Intern at Primus Laboratories, Santa Maria, CA, July 2012

- Observed both Residual and Microbiological Laboratories.
- Examined and analyzed pesticide and fungicide residues on commercial crops.
- Assisted in walk-throughs of microbiological tests on harmful pathogens in commercial crops.

Analyst at Betteravia Farms Soil/Crop Analyses Laboratory, Santa Maria, CA, Summers 2006, 2008, 2010

- Defined nutritional content in soil and crop tissue samples via plasma-based spectrophotometry.
- Generated reports and field maps.
- Counted nematode numbers in field soil samples to determine necessity of pesticide application.

Skills

- Plasma-based Mass spectrophotometry
- Flame testing
- Salinometer
- qPCR
- Agar/Media Preparation
- Prism / SPSS Statistical Software
- R / PERL coding language