

Katherine E. Catching

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Education

MS Plant Breeding, Genetics and Genomics | 2018-Present | The University of Georgia

BS Botany, minor in Chemistry | 2015-2018 | Humboldt State University

AS Natural Sciences | 2013-2015 | Santa Rosa Junior College

Skills & Abilities

Leadership

National Association of Plant Breeders, Graduate Student Work Group Secretary | 2019 |

UGA Plant Center Spring Symposium, 2019 Planning Committee | 2019 |

Earned College Reading and Learning Association, Level 1 Tutor certificate | 2018 |

Earned Girl Scout Gold Award building an herb garden | 2013 |

Laboratory Experience

Summer 2017- Worked with Heidi Rutschow at Humboldt State University to isolate the DFR gene in *Brassica rapa* by DNA isolation, primer design, PCR, gel electrophoresis, and extensive troubleshooting

Well versed in using spectrophotometers, micropipettes, chromatography, as well as plant nutrition and greenhouse maintenance.

Technical knowledge of field and greenhouse duties as well as the procedures used in both environments.

Experience

Research Assistant | UGA Institute of Plant Breeding, Genetics and Genomics | Aug 2018 – Present

Master's Thesis: Engineering Disease Resistance to Dollar Spot disease in Seashore Paspalum

General Science Tutor | HSU Learning Center | January 2017 to May 2018

Provide tutoring in general science courses such as Chemistry, Physics, Biology, and Botany by appointment and drop-in basis.

Supplemental Instruction Leader | HSU Learning Center | August 2016 to May 2018

Creating lesson plans for College Physics and Botany, leading classes twice per week, introducing material as well as reviewing old material, helping to identify problems and gaps in understanding

IT technician | HSU IT Department | 2017

Assisted with technical issues involving classroom presentations and on-campus printers

Courtesy Clerk and Checker | Safeway | April 2016 – November 2016

Primarily work the closing shift and all the duties it entails, recently promoted to Checker

Research Assistant | David Ackerly lab at UC Berkeley | 2015

Conducted tree surveys of 17 hectare plots. Used DBH tape, handheld GPS units, tagged trees, and recorded tree species. Studied the variation of tree growth and dispersal of native tree species in Northern California.

Sales Associate | Kings Nursery | 2013 - 2015

Assisted with customer service, tending to plants, identifying plant pathogens and deficiencies, stocking, bare-root planting, and basket planting.