

Education

Vermilion Gym. <i>Master of Electric Types, 4.0/4.0 GPA</i> <ul style="list-style-type: none">• Relevant Courses: Electric Type Mastery, Superb Digging, etc.• Graduate Research Advisor: Lt. Surge <i>Bachelor of Digging, 3.9/4.0 GPA</i> <ul style="list-style-type: none">• Undergraduate Research Advisor: Lt. Surge	<i>Vermilion City, Kanto.</i> May 2025 - May 2026 Aug. 2021 - May 2025
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Experience

Ground Type Researcher. <i>Vermilion City, Kanto.</i> <ul style="list-style-type: none">• Achieved magnitude 10 on three consecutive attacks• Developed and implemented novel high-magnitude booster item Undergraduate Digging Intern. <i>Vermilion Mining Co., Kanto.</i> <ul style="list-style-type: none">• Under Lt. Surge, dug around a bit and had lots of fun; made 25 other dig around too• Saved the local digging company more than \$250,000 by completing their digging goals 374 × faster than human engineers• You can dig around too at Vermilion Mining Co.	Sep. 2024 - present Feb. 2023 - Aug. 2024
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Course Projects & Specializations

Fast and Efficient Digging - Independent Study. <ul style="list-style-type: none">• Under Lt. Surge, studied the art of quickly and efficiently digging in a group of 2 peers• Covered topics including dig latency, pipelined digging, coherent entry and exit holes, maintaining tunnel states, and optimal dig timing• Created a digging guide which enhances dig speed by nearly 716% for untrained ground types and 495% for all other types Magnitude 11. Advanced Dig Development <ul style="list-style-type: none">• Served as Dig Master on a team of 5 ground type engineers to develop the <i>Magnitude 11</i> teaching application, which allows the user to reach magnitude 11• Performed requirements elicitation and guided beta testing with 17 Vermilion Gym students, forming qualitative and quantitative assessments of user needs and product function• Conducted rigorous security testing, identifying and patching 3 security vulnerabilities which allowed attackers to limit viewers to magnitude 3	Jun. 2025 - present Fall 2023
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Passion Projects

Mud Bathing. <ul style="list-style-type: none">• Bathed in mud for nearly 18 hours per day, 2 days per week over the course of nearly a year• Convinced nearly 9,000 other Pokémon to bathe in mud, allowing electric types in 5 cities to safely nuzzle their trainers Used Resspec. <ul style="list-style-type: none">• Used ResSpec, an automated resume specializer application written in Ocaml which automatically selects the most relevant portions of a user's work experience and outputs a PDF resume, rendered from Typst code• <i>Assembled this resume</i> using ResSpec, implemented using a reduction to the knapsack problem which matches tags of a job to resume experiences based on user-selected skill point investments The Dynamic Diglett Duo. <ul style="list-style-type: none">• Performed as part of the <i>Dynamic Diglett Duo</i> band in 15 concerts in the month of May, celebrating the lesser-known Ground Type festival of Lavender Town• Sterilized more than 5,000 chairs after stinky electric types used them to enjoy the festival	May 2025 - present Dec. 2025 May 2024
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Skills

- Digging and rock sliding
- Singing