

# TAYLOR ARMSTRONG

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With a background in engineering, biomechanics, scientific research and emergency care, my ultimate goal is to help companies build and develop software platforms that provide reliable and responsive user experiences.

## TECHNOLOGY SKILLS

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- JavaScript
- React
- jQuery
- Node.js
- Express.js
- PostgreSQL
- API integration
- Mocha/Chai
- HTML5
- Adobe Photoshop
- CSS3
- Responsive Design
- UI/UX Design
- Hardware & Software Installation
- CADD
- SolidWorks
- Schematic Reading & Interpretation
- Mechanical Diagnostics, Assembly & Repair
- Electrical Wiring & Installation

## RECENT PROJECTS

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### VolTrack

<https://voltrack.herokuapp.com/>

Technologies: Node.js, Express, Knex.js, PostgreSQL, Bootstrap, JavaScript, HTML5

A full stack app allowing volunteers to clock in, contact a supervisor, and track their volunteer shifts for the TRU thrift store.

## EXPERIENCE

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### Colorado University Boulder

Lead Professional Research Assistant & Phlebotomist | Boulder, CO Feb. 2017—present

Manage training of personnel, setup of hardware and software, planning and running of day-to-day tasks, as well as organization and checking of data for two state and federally funded studies (COSMIC & ACED.)

Software Expertise: Qualtrics, Matlab, SPSS, REDCap, Mendeley, Slack, server diagnostics, E-Prime, NIH

Toolbox & LPS/Cytokine/Endocannabinoid assays. Research has been featured by CPR, CBS and ABC.

### Freelance Computer Technician

Computer Hardware and Software Specialist | Boulder, CO 2015—present

Installation and troubleshooting of computer hardware and software and tech support for personal computers. Design and installation of home networks for sharing, streaming, backing up and printing files, as well as ensuring reliability for the desired workload.

Pitney Bowes

Engineering, paid internship | Danbury, CT 2010

Designed process plans for bulk mailing and sorting machines (Varisort) while constructing and assembling the mechanical, optical and electrical components from blueprints for the various units that could be combined to stuff, label and sort 72,000 pieces of mail per hour. Documented each step of the construction process to enable the outsourcing of the assembly. Compiled cost, reliability, and maintenance projections.

Sama Dubai, div. of Dubai Holdings

Engineering Internship | Dubai, UE Summer 2008

Assistant to project engineer. Designed project boards to portray different building designs and themes using Adobe Photoshop to produce presentations for various stages of four different projects. Generated projections of expenses for an ongoing project in Tunisia between the years of 2006—2021.

## VOLUNTEER

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Volunteer Fire and EMT

Town of Redding, CT | 1996—2010

Spent 14 years volunteering with fire and rescue services. Extricated people from cars, rivers; stabilized victims at accident scenes; assisted in emergency room admissions of critically injured patients.

Porter Chester Institute

Stratford, CT | Oct. 2006—May 2007

Designed model ski resort housing unit, utilizing CADD and structural integrity calculations. Final CADD presentation delivered at Fairfield University.

Children's World Health Organization

Puerto Escondido, Mexico | Summer 2006

Volunteered in a children's health clinic helping with the non-surgical needs and the sanitation concerns of a rural environment.

## ADDITIONAL SKILLS

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|----------------------------------|---|
| • Project Management             | Cost Benefit Analysis                       |
| • Biomechanics & Neurophysiology | • Quality Assurance & Efficiency            |
| • Adobe Photoshop & Illustrator  | • Data Collection Structure, Interpretation |
| • NMR & Gas Chromatography       | • Problem Solving & Prevention              |

## EDUCATION

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Galvanize

Web Development Immersive, 2018

Colorado University - Boulder

Bachelor of Science, Integrative Physiology, 2015

Additional Focus: Pre-Med & Engineering

## CERTIFICATIONS

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Emergency Medical Technician (EMT) | 2012

CPR | 2015

Outdoor Emergency Care | 2012

Phlebotomy | 2017