

## EDUCATION

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- **Colorado State University**
  - Bachelor of Fine Arts in Art Studio Dec, 2019
  - Bachelor of Science in Computer Science Dec, 2019

## PROFESSIONAL EXPERIENCE

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- **Software Developer I, Capgemini** Nov, 2020 → Sep, 2021
  - **Software Developer III, Capgemini** Sep, 2021 → Dec, 2022
- Fidelity Investment contracted; I spearheaded automation, engineering and designing the project's entire fullstack testing suite.
- Java-8, Springboot, Gherkin, Karate, Cucumber, JUnit, Jenkins, Git, Swagger, Microsoft Teams, Jira*
- E2E black-box, BDD unit testing of the entire projects API, and UI systems.
  - Orchestrated tests with Karate and Cucumber.
  - DevOps organized in Jira, leveraging Agile methodology.

## TECHNICAL EXPERIENCE

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- <http://crystal.hair> ([Github](#)): **Frontend, Responsive UI** (2023):  
Centralizes web scraped content, links, and user uploaded data. Acts as a hub for users to connect, organize, hyperlink, and share images, texts, links, and PDFs.  
*Typescript, Vue-3.3.4, SCSS, Three.js, Vue-force-graph, Vanilla-tilt.js, Tiptap, Vue3-pdf-app, Pinia, Axios, Devise, Terser, Git, AWS-EC2*
  - View images, texts, and PDFs, in a resizable and draggable lightbox.
  - Functionality for the user to create and edit collections of content.
  - Account authentication with Devise JWT session tokens.
  - Data visualizes, in a manipulatable 3D rendered force graph.
- <http://crystal.hair> ([Github](#)): **Backend, RESTful API** (2023):  
Ruby on Rails utilizing PostgreSQL and DigitalOcean S3.  
*Ruby, Rails, PostgreSQL, Devise, Pagy, Ransack, Carrierwave-AWS, MiniMagic, AWS-Sigv4, Git, Nginx, AWS-EC2, DigitalOcean-AWS-S3*
  - Search, sort, and paginate Active Record requests with Pagy and Ransack.
  - Serves content in secure temporary pre-signed urls generated by AWS-Sigv4.
  - Authenticates API requests by token based Devise JWT.
  - Generates and uploads .AVIF source sets to S3 style buckets using AWS-SDK-S3.
- <http://crystal.hair> ([Github](#)): **Redis Server, Tankakai Spiders, Web Scraping** (2023):  
Backend integrated Redis server, Dynamically executes Sidekiq scheduled cron jobs, to scrape content from external sites with Tanakai spiders.  
*Ruby, Rails, PostgreSQL, Tanakai, Arena-rb, Redis, Sidekiq-Scheduler, MiniMagic, Git, AWS-EC2, DigitalOcean-AWS-S3*
  - Scrapes individual Tumbler and Are.na users for links, texts, images, and PDF's.
  - Scrapes publication and gallery websites for articles, urls, and images.
  - Generates and uploads .AVIF source sets to S3 style buckets using AWS-SDK-S3.
- **Art News Aggregation: Fullstack, Static React Application** (2023) (defunct):  
Contemporary art publication aggregator, compiles web scraped content from diverse sources.  
*Javascript, Next.js, React, React-three-fiber, Jotai, CSS, Python, BeautifulSoup*
  - BeautifulSoup Python web scrapers.
  - 3D React-Three-Fibre navigational interface.
- **3D Model Batch Manipulation** (2023):  
Multithreaded polygonal mesh manipulation boilerplate, implemented through Linear Algebra.  
*Java, Tinspin-indexes, Maven*
  - Supports subdivision, decimation, translation, and hybridization of polygonal mesh objects.

## TECHNICAL SKILL SET

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- **Languages:** *Typescript, JavaScript, Ruby, SQL, Java, Python, Gherkin, HTML5, SCSS.*
- **Frameworks/Libraries:** *Rails, Vue, Next.js, React, PostgreSQL, Three.js, Tanakai, Carrierwave, Spark.*
- **DevOp/Services:** *AWS, Heroku, Redis, Jenkins, Swagger, Docker, Git, Maven, Terraform.*
- **Life/Interests:** *2 space tabbing, Eagle Scout, ZBrush, RealityCapture, Winamp, Neovim.*