

Christopher Brenberg

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SUMMARY

Full stack software developer with ten years experience in the field of science education and a proven track record of adaptability, collaboration, and communication who thrives when presented with challenging work requiring analytical thinking, creativity, new learning, and problem solving. Looking to transition into a new role in software development.

SKILLS

(in order of proficiency)

Javascript

CSS

GraphQL

Python

React

Node.js

Bootstrap

MongoDB

Redux

Express

Java

AngularJS

HTML

PostgreSQL

C#

jQuery

SOFTWARE EXPERIENCE

Prime Digital Academy • Student: Software Development

July 2018 – November 2018

- Learned to quickly apply new technologies and frameworks to solve real-life problems in a highly challenging, experiential, and supportive learning environment.
- Built relationships with other developers through classmates, alumni, industry mentors, and participation in JavascriptMN, Angular, NodeMN and React meetups.
- Practiced the skills necessary to succeed in software development, including communication, creative problem solving, collaboration, public speaking, and lifelong learning.

Independent Project: Coquelet Bleu Coffee

- Built a web app and admin portal for the owner of Coquelet Bleu Coffee, a custom small batch coffee roaster based in Minneapolis, MN
- Created a single page React application allowing customers to directly place custom orders for a single batch of freshly roasted coffee beans and allowing the business owner to manage inventory, process orders, and communicate with customers.
- Technologies: React, Redux, PostgreSQL, Node, Express, HTML, CSS, Stripe API

Collaborative Group Project: TrapScore

- Designed, built, and deployed a full stack trapshooting event management application in collaboration with a team of three colleagues in consultation with outside client.
- Created software to allow trapshooting event coordinators to schedule events, manage shooter participation and schedules, track scores, and automate SMS notifications to make competitive trapshooting events run more efficiently.
- Technologies: React, Redux, Redux-Sagas, PostgreSQL, Node, Express, Twilio API

PROFESSIONAL SKILLS

TEACHING AND INSTRUCTION

- Maintained the SAGE Academy website by adding news events, board policies, meeting minutes, and other updates as required by administration and the chartering organization through a content management system and basic HTML.
- Incorporated iPads and Chromebooks into daily lesson planning to foster development of 21st century skills through use of web data, realtime collaboration tools, and digital workflows.
- Advised and mentored a high school senior in creating and teaching an intensive two week web development elective course using Wix and fundamental HTML concepts.

- Collaborated with colleagues through co-teaching, grade level lesson planning, team meetings, and Professional Learning Communities to support students' behavioral, emotional, and academic needs.
- Participated in new staff on-boarding, mentorship, and evaluative cycles, using professional feedback to improve classroom management and instructional strategies while building a greater understanding of equity and best practices in teaching.

COMMUNICATION

- Conducted parent-teacher conferences in both Spanish and English twice yearly as a public school teacher to provide insight into students' academic progress and overall wellbeing in a school setting.
- Communicated daily with colleagues, administrators, and support staff by phone, email, and in departmental, all-staff, and special education meetings to address academic and behavioral concerns.
- Collaborated daily with a bilingual staff at Joyce Preschool in both Spanish and English to plan lessons and school events and utilize best practices in early childhood education.

CURRICULUM DEVELOPMENT

- Developed curriculum for between three and seven sections of Biology, Chemistry, and Physical Science courses each school year with an emphasis on experiential, project-based learning activities.
- Created common curriculum resources for cross-district science department workgroups in two of Minnesota's largest school districts.
- Independently developed a sequence of hands-on and service-learning activities for a youth development program meant to build awareness of water quality concerns in the Mississippi River watershed and provide work direction for participating youth.

ENVIRONMENTAL EDUCATION

- Presented hour-long talks to visiting groups of 30-200 students and adult chaperones approximately once per month on the topics of invasive species and astronomy.
- Participated as a member of Hartley Nature Center's Environmental Stewardship Committee to assist in developing the organization's five year plan for submission to the City of Duluth.

WORK HISTORY

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| Educator • Minneapolis Parks and Rec Board | June 2018 – August 2018 |
| Substitute Teacher • ISD 196 and ISD 197 | October 2017 – June 2018 |
| 6th Grade Science Teacher • Bloomington Public Schools | August 2016 – June 2017 |
| Biology/Chemistry Teacher • SAGE Academy High School | August 2015 – June 2016 |
| 7th Grade Science Teacher • Minnetonka Public Schools | August 2014 – June 2015 |
| Lead Teacher • Joyce Bilingual Preschool | August 2012 – May 2014 |
| Americorps Member / Naturalist • Hartley Nature Center | August 2010 – August 2012 |
| Graduate Naturalist • Eagle Bluff Environmental Learning Center | August 2008 – August 2010 |

EDUCATION AND PROFESSIONAL DEVELOPMENT

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| Full Stack Software Engineering Certificate • Prime Digital Academy | November 2018 |
| Graduate Certificate: Teaching & Instruction • The College of St. Scholastica | |
| Graduate Certificate: Environmental Education • Hamline University | |
| Bachelor of Arts: Environmental Studies • Hamline University | |
| Bachelor of Arts: Spanish • Hamline University | |