

# FINN BERGQUIST

+1 (857) 200-5274 | finnyb38@gmail.com | San Francisco, CA, USA | LinkedIn | GitHub | Portfolio

## PROFESSIONAL SUMMARY

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Software engineer with 2+ years of professional experience. Proven track record in fast-paced environments. Passionate about building and scaling innovative solutions across the tech stack, with a focus on rapid learning and execution.

## EDUCATION

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### Bowdoin College

Bachelor's, Computer Science and Physics

September 2018 - May 2023

GPA: 3.9

## PROFESSIONAL EXPERIENCE

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### Marketron

Full-Stack Software Engineer / *js, ts, node.js, react.js, sql, aws, kubernetes*

Denver, CO, USA

May 2023 - Present

- Developed Node.js and React.js applications, building new features on top of micro-service system architecture
- Lead developer team, building major social media ad service integrations, enhancing ad reach with new ad tactics
- Utilized AWS for scalable and secure cloud solutions, leveraging EC2, S3, and API-Gateway
- Designed PostgreSQL database schemas, improving cross application data management and access

### Marketron

Machine Learning Software Engineering Intern / *python, js, react.js, flask, sql, aws*

Denver, CO, USA

April 2022 - May 2023

- Trained and deployed machine learning models via AWS SageMaker, bolstering ad-campaign prediction accuracy
- Built Flask and React.js internal web application, enabling admins to control prediction output with fine tuning rules

### Bowdoin College

Computer Science Grader: Data Structures / *java, python*

Brunswick, ME, USA

September 2020 - December 2022

- Automated grading of Algorithm and Object Oriented based assignment for efficiency and correctness with Python scripts
- Created instructional videos and documentation for solutions with time complexity analysis

### Bowdoin College

Computer Music Technology Researcher / *python, c++*

Brunswick, ME, USA

June 2020 - September 2020

- Collaborated with computer science and music faculty to develop autonomous Python interface to process audio signals
- Programmed Arduino microcontrollers to build hardware for real time analog digital communications

## PROJECTS

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### Stats-Viz

Sole Developer / *ts, react.js, next.js, supabase, vercel*

- Designed and built generative AI application that builds templated user data interfaces to be dynamically shared or sent
- Recruited users and gathered feedback to drive rapid iterations in user experience and design.

### Undergraduate Research

Bowdoin Computer Science and Physics Department Researcher / *python, scikit-learn, tensorflow*

- Built neural networks to trade stocks in technical finance simulation, using last fifty years of stock data
- Simulated fluid dynamics, properties of magnetic materials, and traffic flow with experiments on matrix based data sets

### Groove Blocks

Inventor of Music Ed-Tech Product / *python, c++, javascript*

- Lead software and design teams to build and integrate application with micro-controller based hardware prototypes
- Pitched suite of tactile educational toys to teach music theory and production to angel investors

## SKILLS

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**Skills:** JavaScript, Python, TypeScript, Java, Ruby, C/C++, SQL, Postgres, HTML/CSS, Pandas, NumPy, Tensorflow, Keras, React.js, Node.js, Next.js, Flask, Django, Kubernetes, Docker, AWS, Git, REST APIs, RabbitMQ, Agile, CI/CD, Microservice Architecture