Kevin Forrest Connors

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Professional Experience

Full-Stack Developer - The Digital Renaissance, Remote, January 2022 - April 2022
TypeScript, React, EVM, Google Cloud Services, Google Firestore

- Built features for an NFT marketplace:
  Rewrote cron jobs to retry Solidity contract invocations when they fail for a variety of reasons,
  Fixed incorrect data structures that were being passed to contract invocations, to match ABI
  specifications and EVM data structures, which fixed edge case minting failures,
  Rewrote the minting process to support multiple networks for future cross-chain expansion
- Researched solutions for bridging between EVM-based blockchains and other networks

Full-Stack Developer - John Deere, Des Moines, IA, October 2019 - February 2021
TypeScript, JavaScript, React, SQL, AWS, CSS, TDD, Pair Programming

- Worked on a team which released a new version of the smart agricultural machine tool for file
  management and sharing:
  Developed back-end data transfer protocols and APIs used by the machines, and a React site
  for file management,
  Split and migrated existing features from a monorepo to more maintainable microservices,
  Implemented new features to support new data transfer protocols and data structures,
  During the conversion and development process, converted every repository to use
  TypeScript and achieve 100% unit test coverage.
- Acted as regular scheduled on-call support for production incidents affecting various
  applications in the John Deere web application ecosystem.

Software Developer - Visionary Services, Des Moines, IA, January 2019 - October 2019
JavaScript, PHP, SQL, CSS

- Managed a website used by over 4,900 independent businesses for contracting package
  shipments through the world's second-largest shipping company.
  Implemented a new legal agreement for the businesses, along with a queue-based system for
  third-party vendor management to approve or reject applications.
- Developed a generic asset management service for internal managerial staff to track and
  generate reports about company liabilities and assets.
- Provided website maintenance for medium-to-large companies in the Des Moines area.

Junior Web Developer - Fresh Tilled Soil, Watertown, MA, Summer 2015
JavaScript, PHP, SQL, CSS

- Maintained an iPad application, Enter, that serves as a virtual secretary.
- Created data visualizations for sales analytics using PHP and JavaScript.

Education

B.A, Computer Science, Linguistics Concentration, Grinnell College, 2014 - 2018

- Won 1st place in inaugural Hackathon.
- Studied abroad in Budapest, Hungary at Aquincum Institute of Technology.
- Member of Gourmet Cuisine Society, Food Recovery Network, the Grinnell tennis team, and
  the club ultimate team.

Undergraduate Research - Evolutionary Computation, Grinnell College, Summer 2018
Artificial Life in Games for Intuitive Evolution Education

- Used C# to implement artificial life models of fish populations and lifecycles.
- Modded the video game Stardew Valley with this artificial ocean model, simulating fishery
  collapse to educate players about dynamic life systems.
- Contributed to the open-source modding community on NexusMods.com.

Undergraduate Research - Program Synthesis, Grinnell College, Summer 2016
Semi-Automated Program Synthesis

- Extended Emacs to serve as a GUI for our advisor's program synthesizer.
- Integrated the synthesizer into this Emacs extension to allow developers to use the synthesizer
  in a semi-automated manner.