

Sean Avery Pollock

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EXPERIENCE

Venture Equity Exchange– Full-stack developer, Algorithm engineer;
International, TX; Fall 2015- present

- Engineered customized sorting algorithm to process bids/asks in a continuous-time double auction; Engineered efficient and value maximizing execution, settlement and clearing for serial-processing exchange: implemented in Solidity
- Developed node.js application linking to Ethereum node through an IPC socket
- Crafted design/marketing philosophy and created logo and graphics for community engagement

Cerebri– Full Stack Web Development; Austin, TX; Fall 2015- present

- Developed customized cluster algorithm to classify data for guided search; Utilized IBM Watson's API suite to implement natural language processing
- Designed the landing page website with photoshop-- implemented with html/css and javascript solutions; provided creative branding solutions such as logo designs, social media implementation, and customer engaging content
- Built front-end of software application with node.js, react.js and Material UI; responsive across desktop, tablet and mobile devices

Satoshi Talent– Backend Web Development; Austin, TX; Summer 2015

- Hosted the startup's website on Heroku and installed plugins which automatically pinged the site to prevent the dyno from idling
- Created a Amazon RDS db instance, customized security parameters, and successfully migrated data from Heroku's Clear DB into the RDS instance with minimum loss in runtime
- Configured the stack to run at zero cost by patching Heroku's hosting platform with a data storage solution within Amazon RDS's free tier
- Engaged with the Bitcoin community and contributed the first ever blockchain recruiting company

Austin Coding Academy– Full Stack Web Development; Austin, TX; Summer 2015

- Built out responsive web designs with HTML, CSS, and bootstrap libraries
- Developed backend logic with php, implementing object oriented programming approaches, GET/POST methods, and data manipulation
- Set up mySQL databases, embedded data insertion/retrieval with SQL statements, html table generation with mySQL content

uShip.com, Inc. – Quality Assurance; Austin, TX; Summer 2014

- Expanded uShip's international presence QA-ing the launch of the South Africa site
- Utilized Zendesk's API to transition the CTS development team smoothly into using Zendesk's customer service software
- Automated customer service functionality using Selenium IDE, documented bugs using JIRA's ticket report
- Collaborated in planning out web development sprints as a part of the Agile software development lifecycle
- Prepared quality documentation for any issues in the development process using JIRA's tracking system
- Improved user experience by thoroughly testing browser support, ensuring complete functionality across Chrome, IE, Firefox and Safari

uShip.com, Inc. – *Business Development*; Austin, TX; Summer 2013

- Managed the acceptance criteria and payment delivery system for new members to the Affiliate Referral Program
- Provided a detailed report on online marketing trends including an analysis on the premiere affiliate marketing programs such as Amazon.com Associates and eBay Partner Network
- Reached out to potential partners and successfully negotiated a partnership with Black Book Auto

EDUCATION

The University of Texas at Austin

Bachelor of Science and Arts

Class: Senior

Major: BSA Pure Mathematics

- Focus on Probability and Statistical Modeling(Python)
- Proof Based Curriculum(Real Analysis, Topography)
- Cryptography(Number Theory, Linear Algebra)
- Advanced Calculus/Differential Equations

12 hours of Computer Science coursework(Java, Python, C)

- Object Oriented Programming
- Data Structures/Algorithms
- Graph/Set Theory, Discrete Mathematics

Business Foundations Certificate (18 hour Business coursework)

- Accounting/Finance/Business Law

**Jesuit College Preparatory School
Dallas, TX**

Community/Organizations

UT Bitcoin Club

- Founded the first bitcoin organization on campus. Coordinated meeting events and lead discussions about a variety of crypto-currency topics
- Scheduled talks from leaders in the Bitcoin industry, and worked with student on Bitcoin and Ethereum projects

Austin Ethereum

- Hosted the first Ethereum meetup in Austin Tx; Connected with members of Consenys and other blockchain engineers