

David Shur

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Education

UNIVERSITY OF WASHINGTON; SEATTLE, WA – NOVEMBER 2019 - MARCH 2020

- Certificate: Full-Stack Software Development (GPA: 4.00)
- Programming Coursework: Data Structures, Authentication, Test-Driven Development
- Technologies: Javascript, Node, React, jQuery, Express, MongoDB, SQL, CSS, HTML

Employment

SOFTWARE ENGINEER, LINGUA ROBOTICA; SEATTLE, WA – MARCH 2020 - PRESENT

Code Search: A search engine for code repositories.

- Created design document for Code Search based off of user feedback
- Implemented a modular search engine from scratch using OOP abstraction and encapsulation
- Updated search algorithm to optimize Code Search speed from $O(n^3)$ to $O(m \log(n))$
- Leveraged Knowledge: Python, Git, SQLite, Tree-Sitter, NLP

Code to English / English to Code: Translate between coding and natural languages.

- Made an express server to handle http and had 80% test coverage with Jest and Mocha
- Deployed a full-scale API product by integrating an API key system and rate limiting API endpoints
- Used AWS CodePipeline, AWS ElasticBeanstalk, and AWS CodeBuild for CI/CD on the application
- Leveraged Knowledge: Javascript, MongoDB, Tree-Sitter, SpaCy, Node, AWS, NLP, Git

SOFTWARE DEVELOPER AND FOUNDER, SENDELIGHT; SEATTLE, WA – NOVEMBER 2020 - PRESENT

Sendelight Web Application: Send a real-life postcard through an online form.

- Connected a printer to an express server to print customer postcards saved in MongoDB real-time
- Researched and implemented Stripe API web-hooks to secure and confirm customer payments
- Created React front-end to handle the 8 customers we had in our first 2 weeks for \$12.00 revenue
- Leveraged Knowledge: Javascript, React, Stripe for payments, MongoDB, Unix, Git

SOFTWARE DEVELOPER AND FOUNDER, JURNE; SEATTLE, WA – MARCH 2019 - MARCH 2020

Jurne Web Application: Paperless test-drive and loaner contracts for dealerships.

- Delivered on customer expectation to convert their paper form to virtual with database in a month
- Created Dealer, Admin, User roles to provide specific data access and privileges to certain users
- Prioritized and delivered product features to earn an \$800/mo contract from Klein Honda for MVP
- Leveraged Knowledge: Javascript, React, Firebase

Software Projects

PERSONAL WEBSITE: WWW.FINDSHUR.COM (MORE PROJECTS)

JAVA CUSTOM MAP REDUCE: FROM SCRATCH CREATED NETWORKING PROGRAM TO SPLIT CODING WORKLOAD

JAVA TEXT ADVENTURE: CREATED A GAME WITH CUSTOM PARSER, LEVER, WITH OBJECT ORIENTED PROGRAMMING

Skills

Software: (proficient): Javascript, Python, Java, React, MongoDB, Unix, Git (familiar): SQL, NLP, C++