

# Aria Fallah

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## Education

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### University of Maryland, Baltimore County

B.S. COMPUTER SCIENCE, MINOR MATHEMATICS

Catonsville, Maryland

Aug. 2014 - Exp. May. 2018

## Work Experience

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### Facebook

SOFTWARE ENGINEERING INTERN

Menlo Park, California

May. 2017 - Aug. 2017

- Developed the infrastructure and interfaces that enable people to purchase movie tickets on Facebook
- Optimized rendering of React components to reduce amount of requests sent to server
- Precomputed matching of movie trailers to movies to speed up requests to the server tenfold

### FiscalNote

SOFTWARE ENGINEERING INTERN

Washington D.C.

Oct. 2015 - PRESENT

- Administered a Redshift data warehouse, managed its ETL pipeline, and ran analytics queries
- Created internal tooling to improve data ingestion and data quality

### Digital Infuzion

SOFTWARE ENGINEERING INTERN

Gaithersburg, Maryland

Jun. 2012 - Aug. 2015

- Replaced slow, static visualizations with real time data visualization dashboard written in AngularJS
- Improved deployment speed of services to Azure using Docker
- Refactored, optimized, and wrote unit tests for 20+ SQL stored procedures

## Projects

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### C++11 CSV Parser

EXTREMELY FAST, CONFIGURABLE, C++11 CSV PARSER.

Maryland

May. 2017

- Flexibly parses any CSV. Follows RFC 4180 by default. Can be configured to follow other specifications
- Uses a finite state machine for parsing, and does zero allocations during parsing to optimize for speed

### Webpack Tutorial

POPULAR INTRODUCTORY WEBPACK TUTORIAL WITH 2000+ STARS ON GITHUB

Maryland

Feb. 2016

- Thoroughly explains how to use webpack from the first principles
- Translated into Chinese and Korean by open source contributors

### ASite

REACT-BASED STATIC SITE GENERATOR WRITTEN IN TYPESCRIPT

Maryland

Dec. 2017

- Allows users to write pages and content in Markdown
- Turns content into HTML using a template written in React

## Skills

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JavaScript (ES6), TypeScript, C++, SQL, Python, PHP/Hack, Go, C, Java, Lua, Ruby, Haskell, Rust, PostgreSQL, Redshift, Docker, Airflow, Amazon Web Services, Google Cloud Platform, Node.js, React, AngularJS, Ember.js, Webpack