

# Benjamin Flin

Web Developer and Software Engineer

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🐙 <https://github.com/benjaminflin>

## Employment History

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Summer 2020

### Software Engineer

Moat Crossings Systems  
Davis, CA

- Helped develop a node.js/express like server-side javascript framework for embeddables using the Duktape C library.
- Wrote a Python C extension for an existing SQL database.

Summer 2018

### Frontend Mobile Developer

International Criminal Court  
Davis, CA - Amsterdam, Netherlands

- Developed an interactive digital exhibit showcasing human rights violations in central Africa
- Exhibit showcased on the official ICC website and Twitter
- Created using React.js + Redux and remotely deployed

Summer 2018

### HTML5 Video Developer

Spotlight Education, LLC  
Davis, CA

- Created templated data-driven videos on a custom web framework based on Web Animation API
- Developed tool to streamline audio recording process for these videos
- Helped develop OCR testing tool for captions

## Projects

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December 2019

### A\* Algorithm Visualization

Written in Purescript/Javascript. [See on Github.](#)

A visualization of the A\* algorithm using grid tiles. The searched states, starting state, goal state and the final path are represented through colored squares. The user may draw and delete barriers in order to better understand the algorithm.

Summer 2020

### Right Truncatable Primes

Written in Haskell. [See on Github.](#)

A small Haskell program to find all of the [right truncatable primes](#).

## Education

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Sep 2017 - Present,  
New York, NY

### Columbia University, Bachelor of Arts

Computer Science and Math

GPA: 3.77

Relevant Coursework: Artificial Intelligence, Fundamentals of Computer Systems, Computer Science Theory, Advanced Programming, Data Structures, Introduction to Computer Science, Calculus I-IV, Linear Algebra, Discrete Mathematics, Analysis and Optimization, Introduction to Modern Analysis I

## Programming Languages and Technologies

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|----------------------|----------------------|--------------|----------------|--------------------|
| • Node.js/Javascript | • React.js           | • Git        | • Java         | • MongoDB/Mongoose |
| • HTML/CSS           | • Haskell/Purescript | • Webpack    | • Python       | • Express.js       |
| • Rust               | • C/C++              | • Excel/Word | • GraphQL/Rest |                    |

