

# Alexander HARRIS

Software Developer  
Tacoma


Hello, World. My name is Alex and I'm a software developer.


I like to solve problems with Linux operating system, programming languages, web technologies, network protocols, computer graphics, and database systems.

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 <http://alxndr.io>

 alexander-io

 Pug(s)

 Ceramic Art

 Camping

 Nintendo

## Experience

### Web Developer

Foundry10

May - Nov 2017

Programming and watching cute cat videos.

### Tutor & Grader, Teaching Assistant

University of Puget Sound, Mathematics and CS Department

Sept - May, 2017

Tutoring and grading computer science undergraduate college students, especially students for CS 261 Data Structures.

## Education

Bachelor of Science

Sept 2013 - December 2018

Major in Computer Science, University of Puget Sound, Tacoma WA, USA.

## <> Projects

### Streaming Server Queue



Node.js

Stream data contained in a queue, entry by entry, from server to client in NodeJS using Socket.io and Socket.io-Stream.

[github.com/alexander-io/Streaming-Server-Queue](https://github.com/alexander-io/Streaming-Server-Queue)

### Node.js Camera Server

Node.js

 linux os  , nodejs, express, socket.io to capture image files to storage of server and to serve image data via http-socket on local area network.

[github.com/alexander-io/Node-Camera-Server](https://github.com/alexander-io/Node-Camera-Server)

## Skills

JavaScript

C

Python

Linux

Web Dev.

Database

Concurrency

Networks

Graphics

## Contributions

### Bitmap-Engine

Design and Implementation of bitmap compression for queryable compressed structures.

[github.com/alexander-io/Bitmap-Engine/commits/master](https://github.com/alexander-io/Bitmap-Engine/commits/master)