

# ADIL ZHAKYPBEK

(765) 637-1988  
azhakypb@purdue.edu  
<https://github.com/azhakypb>

419 Harrison St.  
Apt. 8  
West Lafayette, IN 47906

## Objective

To obtain an internship in the discipline of Computer Science with a focus in software design and development.

## Education

**Purdue University, West Lafayette, IN**

**Spring 2020**

**Bachelor of Science in Computer Science.**

**Relevant Coursework:** Advanced C Programming, Data Structure, Full Stack Development, Computer Communication Networks.

**Programming languages:** C, Java, JavaScript, MATLAB, Python, Verilog.

**Speaking languages:** Russian, Turkish, Kazakh

## Programming Projects

*Purdue University*

**Crowd Sourced Educational Platform**

**Present**

- Implement a Web Platform to enhance educational communication between students
- Remove third parties and freshen up online learning

**Distance Vector Routing**

**Fall 2018**

- Implemented a simplified version of distance vector protocol
- Successfully tested and optimized corner cases in this algorithm

**Huffman coding**

**Fall 2018**

- Applied Huffman coding in a lossless data compression algorithm.
- Designed a decompression utility.

**Socket Programming (TCP/UDP)**

**Fall 2018**

- Assembled multi-service server that can host HTTP web service and UDP ping service simultaneously.
- Constructed simplified HTTP client.

**Image Processing**

**Spring 2018**

- Familiarized with Opening/Writing image files and color scale
- Implemented Adaptive thresholding technique on BMP images.

**Josephus Problem**

**Spring 2018**

- Implemented Linked List to solve Josephus problem.
- Mastered and Utilized Doubly Linked List in the solution.

## Team Design Projects

*Purdue University*

**Toy Car Track**

**Fall 2015**

- Became proficient in MATLAB
- Designed a toy car track to facilitate kids to understand basic physical concepts

**FOS Inc.**

**Fall 2016**

- Simulated a real time project for real world Corporation working with coolers and heaters.
- Developed a parameter identification model for the FOS Inc. product.

## Skills and Key Achievements

- President of the Kazakh Student Association. **Fall 2016 – 2017**
- Volunteer at International Exposition EXPO 2017 Astana Future Energy. **Summer 2017**
- Completed Stock trading courses in the S.K.I. Capital Partners, LLC. **Fall 2014**
- Participant at the International Environment and Sustainability Project Olympiad (INESPO). **Spring 2013**