

# DAVID NACHMANSON

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## EDUCATION

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**Western Washington University, Bellingham, WA**

*June 2018*

B.S. in Computer Science & Engineering

Overall GPA: 3.37

## PROJECTS

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### **Protein Cavity Explorer**

*Web Application*

- Full stack web app that lets users explore properties of RCSB recognized proteins using dynamic data driven visualizations.
- Architected component structure of Angular application.
- Configured Node.js server to launch Angular application and set up a REST API.

### **Unix Mini-Shell**

*C application*

- Simple command line interpreter for a Linux system.
- Implemented capability of executing built in commands, nested commands, pipelining, variable expansion, input and output redirection, signal processing, and standard C library system calls.

### **TCP/IP Chatroom**

*C server-client application*

- Chatroom hosting server capable of supporting 255 simultaneous users and allowing for public and private message communication.
- Configured server to accept and handle connections using Unix socket API.

### **DeadWood**

*Java GUI*

- Virtual board game involving actors who roll dice to complete scenes and upgrade their rank.
- Created a GUI molded to a model-view-controller model using Java's Swing library.

### **Spam Message Detection**

*Data Analysis*

- Conducted research on how effective Rough Set-based approaches are at classifying spam in text messages.
- Preprocessed a large (several thousand) data set of text messages archived in UCIs Machine Learning Repository using Python's NLTK.
- Compared and analyzed classification accuracy of Rough sets compared with other common statistical inference techniques.

## TECHNICAL STRENGTHS

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**Computer Languages**

Java, C, SQL, JavaScript

**Frameworks & Libraries**

Angular, Node.js

**Technologies**

AWS, Git, MySQL, openMP, openMPI, Linux

## SUMMARY

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Well rounded and motivated graduate looking for backend/application development roles.