

KATERINA CHINNAPPAN

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OBJECTIVE

Seeking a challenging Software Engineer position in a growth oriented company where I can grow and contribute to product development.

EXPERIENCE

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|-----------------------------|---|
| June 2017- Present | QA Software Engineer Intern, Barefoot <i>Networks</i> , <i>Santa Clara</i> <ul style="list-style-type: none">· Extensive python scripting, working with database such as mongoDB, kafka. Writing PTF (packet testing framework based on python) tests for testing Tofino switch. Learning P4/writing, debugging scripts. |
| Winter 2017- Spring 2017 | Tutor-CMPS 11(Intermediate Java), <i>Jack Baskin School of Engineering</i> , <i>UCSC</i> <ul style="list-style-type: none">· Assisting students in understanding course concepts; developing study strategies and methods for independent work; developing writing and critical thinking skills through reviewing, commenting on, and discussing class material. Preparing for exams. |
| Fall 2016-Winter 2017 | Tutor-CMPS 5J(Beginning Java), <i>Jack Baskin School of Engineering</i> , <i>UCSC</i> <ul style="list-style-type: none">· Assisting students in understanding course concepts; developing study strategies and methods for independent work; developing writing and critical thinking skills through reviewing, commenting on, and discussing class material. Preparing for exams. |
| Fall 2016-Winter 2017 | Grader-CMPS 12A, CMPS 12B (Accelerated Java, Data Structures), <i>Jack Baskin School of Engineering</i> , <i>UCSC</i> <ul style="list-style-type: none">· Grading programming assignments for 200+ students |

EDUCATION

- 2016-2018 B.A, Computer Science, Santa Cruz, CA, *University of California Santa Cruz*
- 2014-2016 AA, Mathematics and Science, Cupertino, CA *De Anza*

PROJECTS

- *Kitsilano Monitor UI, Barefoot Networks, Santa Clara*
Developed custom view feature to view live timeline for statistics. Programmed in python. Collected UDP headers from server every 5 minutes, stored in mongoDB. Used pymongo to allow queries for custom times. Display statistics on live graph.
- *SRI (virtual machine inferencing simple logic), Jack Basin School of Engineering, Santa Cruz*
Programming project for CMPS 109 that is designed to let one utilize all the concepts and apply all the libraries, tools, and advanced programming techniques explained in class to build a middleware for the Simple Rule-Base Inference Engine (SRI), which is in the form of a virtual machine capable of inferencing simple logic. The project is composed of four phases, where each phase depends on the preceding ones. It is required also to conduct a UML Object Oriented Design and maintain it by performing constructive updates to it throughout the development and the buildup of the middleware.
- *WagMore – Networking web app (mobile compatible), Jack Baskin School of Engineering, Santa Cruz*
Project for CMPS 115 – developed a dating networking app for people with dogs. Web2Py based app. Written in Python, JavaScript, Mysql, HTML/CSS. Used SCRUM as project management framework. App is compatible on all mobile devices.
- *UCSC Parking Android Application, Jack Baskin School of Engineering, Santa Cruz*
Project for CMPS 121 – developed an Android application for the school parking system. Users can sign in only with a UCSC email (gmail login), create parking schedule, browse through parking lots, view available spaces, reserve space, check in/checkout system, report license plate (capture license plate with built in camera app, read license plate number (OCR)). AppEngine for database
- *Spotlight Music Player based on Spotify, UCSC Hackathon, Santa Cruz*
Project for UCSC Hackathon. Web music player using Spotify API. Log in with Spotify account and pick a playlist. Display playlist. Vote for a song – song with the most votes is played. Updates are dynamic.

SKILLS

- Good understanding of Windows, Linux (Debian, Ubuntu), Unix, Mac OS X
- NMAP, Wireshark
- C/C++, Java, Python, HTML/CSS, P4, flask
- mongoDB/pymongo, mysql, sqlite, kafka
- PTF (packet testing framework)