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Binam Kayastha

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Objective

Currently searching for Software Engineering Internships during Summer 2017 in the Greater Boston Area.

Education

Worcester Polytechnic Institute (WPI) **Bachelor of Science (B.S.), Computer Science, 2014 – 2018, Junior**

Related Experience

Student Assistant at WPI

February 2016 - Present

Operating Systems, (2016-Current)

Object-Oriented Design Concepts (2016)

Introduction to Digital Circuit Design (2016-Current)

Systems Programming Concepts (2016)

MCP Doc Platform Intern at Cimpres

June 2016 - August 2016

Learning **Image Processing** and **Machine Learning**. The goal of this internship is to try to extract text which has bad color contrast with its background using **Neural Networks** and **Deep Learning**.

Instructor and Tech Coordinator at iD Tech

June 2015 - August 2015

Instructed week-long courses of **Java**, and Java with **Minecraft Modding** to kids of ages from 10-17.

Extra-Curriculars at WPI

ACM: Events Coordinator and Hackathon Manager

IEEE: Project Manager and Webmaster

Projects

My Website at www.binamkayastha.com

A website which holds links to most of my projects. Website was created using Material Design and Angular 1

Hackathons

Hackathon Manager – Hack@WPI 2017 (Primary organizer of the annual hackathon at WPI for 2017)

Best use of spatial sound - Holohacks (HoloSense: **Hololens subtitles for the deaf, and sonar for the blind**), June 2016

1st place - AT&T Virtual Reality Hackathon (**A cheap way to help phantom limb syndrome** using Myo bands) 2015

1st place - AT&T Internet of Things Hackathon (OneArmBand: Play music on your arm with custom hardware!) 2015

1st place - More Disruption Please 2015 (VoxDox: An **Alexa app for doctors** that integrates with **AthenaHealth API**)

Angel Hack 2015 (NutriFact: A nutrition app that parses through the ingredients and look for allergens.)

Hack@WPI 2016 - Mentor

WPI ACM Hackathon 2015 (A program which creates an SVG from an image using OpenCV)

Faulkner Hospital Kiosk

February 2016 to May 2016

Created an indoor way finding application for a kiosk at the Brigham and Women's Faulkner Hospital for a Software Engineering Course with a **team of 8 people**. Primary responsibility was **Project Manager/Scrum Master** role.

BDB - Bash Debugger

A work-in progress Bash Debugger tool that is inspired by GDB. Current project I'm putting my efforts into.

Keyboard Mario

A python program plays notes from ABC notation file based on your **global Linux keypresses events**.

Skills & Expertise

Software Engineering, **Linux**, Git, **Java**, **C**, **C#**, Python, HTML, CSS, **JavaScript**, Mean Stack, Ionic Framework, **Unity**, **Machine Learning**, Deep Learning, AForge.Net, Accord.Net, **Image Processing**, **Android Studio**, **Arduino**, Virtual Reality, Augmented Reality, HoloLens App Development, **Vim**, LaTeX, SVG, Field-Programmable Gate Arrays (FPGA), Real-Time Operating Systems (RTOS)