

FESTUS KIPROP

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SUMMARY OF QUALIFICATIONS AND SKILLS

Strong: Javascript, HTML, CSS, Angularjs, Node.js, Git, JQuery, Meteorjs, Grunt, Bootstrap, Mithril

Experienced: Mathematica, ArcGIS, D3.js Git Heroku HTML Java Javascript jQuery, Bootstrap, MongoDB, MySQL, Express, Backbone, Postgresql,

PROJECTS

Awesome App (To be done)

Awesome App

- Processed antibody solutions, conjugate-gold solutions and critical reagents according to SOPs
- Performed quantitative data processing and reporting. Ensured production records documentation is up to date
- Responsible for operating, calibrating, cleaning up and maintaining lab equipment (including BioDot AiJet)

City Quest

Web app for users looking for adventures in a city

- 4 members. Front-end, and some back end. -Implemented google auto-complete search -Image uploading feature
- Enhanced user experience Added more features -Google auto-complete -Uploading personal profile picture
- Implemented rankings and ratings of quests Angular, Bootstrap, Express, Node, Google autocomplete API

Houze Sit

Uber for basic home tasks

- Built a fully functional uber web app for basic home tasks -Authentication for users and workers
- 4 members, front-end -Designed and built user-profile page -Authentication -
- Implemented assigning tasks to workers -Hosted the database on AWS
- Technologies used Angular, Postgresql, Bootstrap, Node, Express

Collaborative Todo App

A collaborative to-do list

- Built a fully functional collaborative to-do list -Tasks could be viewed across multiple users
- Designed Mongo database to hold all tasks -Designed front-end for user experience -Authentication -
- Deployed on Heroku
- Technologies used Angular, Meteor, Grunt, MongoDB

EXPERIENCE

Lateral Flow Production Scientist

2014 - 2015

EnviroLogix Inc.

Portland, ME

- Collaborated with R&D to facilitate product transfer, SOPs review, pilot production & scale-up production of lateral flow immunoassay diagnostic products used to analyze a variety of environmental contaminants in plant seeds, soil & water
- Processed antibody solutions, conjugate-gold solutions and critical reagents according to SOPs
- Performed quantitative data processing and reporting. Ensured production records documentation is up to date
- Responsible for operating, calibrating, cleaning up and maintaining lab equipment (including BioDot AiJet dispenser and Bioreel) to ensure immunoassay tests kits meet required standards. Resolved equipment production issues

Senior Thesis Student Researcher

2013 - 2014

Bates College Chemistry Department

Lewiston, ME

- Modified β -cyclodextrins, a drug-delivery agent in pharmaceuticals, in order to increase solubility and stability of drugs during delivery, into living cells, by coupling it with (3-chloro-2-hydroxypropyl)triethylammonium chloride
- Synthesized and characterized (3-chloro-2-hydroxypropyl)triethylammonium chloride through NMR
- Presented the research findings to faculty and peers in a chemistry seminar

Office Manager

2010 - 2014

Bates College Technology and Event Support

Lewiston, ME

- Trained the faculty and students on how to use loaner pool multimedia equipment, and provided technology support
- Managed loaner pool technology equipment, updated equipment inventory database, and loaned the equipment
- Maintained office efficiency by planning and implementing office systems, layouts, and equipment procurement

Financial Services Assistant

2011 - 2011

Bates College Financial Services

Lewiston, ME

- Reconciled and maintained accurate financial services data and assisted with the general administrative duties

- Communicated with parents and students regarding their financial aid and student loans

ACTIVITIES AND LEADERSHIP

Class Representative, Bates College Student Government

2010 -2014

- Acted as the liaison between the students body and Bates College Student Government, so that students could actively voice their concerns and opinions on how to improve the college community

Varsity Athlete, Bates College Cross-Country and Track teams

2010 - 2014

- Tri-season varsity athlete. Named All New England and All NESCAC. Earned 11 varsity letters

Junior Volunteer, Saint Mary's Regional Medical Center, Lewiston, ME

2012 - 2012

- Prepared specimens for analysis, and assisted with specimen analysis in clinical lab. Provided information and assistance to patients and visitors at the Information Desk

Current Affairs Coordinator, Bates College International Club

2011 - 2012

- Updated the International Club news bulletin and list-serve with latest news and announcements; coordinated weekly discussions on the news

EDUCATION

Bates College

Lewiston, ME

Bachelor of Science, Chemistry

May 2014

Minor in Geology; Concentrations in Physics and Applied Mathematics

- **Senior Thesis:** Cationic Cyclodextrins as Chiral NMR Solvating Agents
- **Selected coursework:** Advanced Measurement Lab, Organic Chemistry, Separation Science, Analytical Spectrochemistry and Electrochemistry, Geochemistry, Hydrogeology and Calculus
- **Awards:** Richard L. Smith and Carol A. Marine Scholar - 2013

PERSONAL

- Running - Cross Country and track team for 4 years
- Volunteer - St. Mary's hospital - helped at front desk and preparing samples for testing
- Playing soccer, ultimate frisbee, chess
- Kayaking, white water rafting, hiking, camping Skiing Traveling Beer tasting
- Public speaking

