

# PARVATHI KRISHNAN

## Engineer. Software Developer.



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## SKILLS

### Software Development

Agile Methodologies, Data Structures ,  
Problem Solving, Prioritization

### Languages

Java, C++, C, C#, SQL, Python, HTML,  
CSS, TypeScript, JavaScript, Bash

### Frameworks

Entity, REST API, Angular, React,  
Mobx, Redux ,ORM, Vim, Jest, React,

### Tools

Git, ImageMagick, AWS, Docker

## LEADERSHIP

### Developer - Product Vision Club

Maintained website and technical liaison to  
promote and train future generations of pm  
interns via education and community

### Outreach Director- Waterloo

#### Engineering Society

Organized resume critiques, workshops,  
and mentorship programs for 300+ 1<sup>st</sup> year  
students

### Ambassador - KW Data Science Club

Networked and helped setup events on and  
off campus with those in the DS industry.

## AWARDS

**Outstanding Intern Award-** Faire  
(2019)

**Outstanding Intern Award-**  
**Bombardier** (2018)

**UW WE Go.Design – 1<sup>st</sup> Runner Up**

Engineering Research/Design Competition

**UW President's Scholarship of Distinction**

95%+ entrance average

## EDUCATION

**Computer- Software Engineering**

University of Waterloo (2017-Pres)

## EXPERIENCE

### Faire | Software Engineer

FAIRE Jan 2019- May 2019

- Developed and iterated on client facing features for e-commerce website using **React, Typescript** and **Mobx**
- Implemented feature to allow over **3000** brands to ship orders through Faire's interface, resulting in **26,000+** shipping labels created and profit of \$5700+
- Wrote unit tests to ensure code correctness using **Jest** and ensured proper testing throughout code lifetime.
- Conducted thorough and detailed **code reviews** to guarantee code quality and consistency
- Led **scoping** meetings with product, design and engineering to ensure timely feature deployment

### Bombardier | Full Stack Developer



May 2018- Sep 2018

- Engaged in requirement gathering, design, development, testing and documentation of web applications used by 5,000+ Bombardier employees
- Developed and maintained a secure and scalable web application using **.net MVC** and **SQL Server** technologies.
- Built powerful and intuitive UI using **Angular** and Kendo UI
- Participated in debugging and troubleshooting existing web solutions, scripts and **SQL** queries
- Automated the generation of intricate reports using **SSIS**, scripting and SQL querying
- Developed and delivered training materials to end users

### HomeVyne | Co-Founder, CTO



Aug 2019- Present

- Lead team to **build** a marketplace for seniors to **connect** and share their homes
- Worked with 2 product managers, designer, and marketer to define product strategy and MVP as a lean startup
- Received **\$12.5K** in funding from Velocity, Conrad, and Communitech Accelerators in 4 months
- Interviewed **150+** target users, built use-cases, and used **design sprints** to convert requirements to features

## TECHNICAL PROJECTS

### Forums (C#, Angular, Typescript)

- Designed and developed a large-scale forum web application for Bombardier Aerospace employees
- Users can ask and answer questions, comment, vote, search, update their profiles all while reaping special points for participation
- Implemented Entity Framework to create a code first Database
- Developed using MVC and RESTful API architecture
- Created user friendly, responsive web pages using Angular and Kendo

### Microscopic Image Analysis Tool ( Java, ImageMagick)

- Create a tool that analyzes and validates the output of microscopic images of algae growth under various hormonal stressors
- Converts images to greyscale and detects pixels above a certain colour threshold
- Compared output of various image editors to verify test result performance

## INTERESTS

**Crochet, Volleyball, Psychology, Weightlifting, Linguistics**