

Ethan Cheatham

(253) 514 9029 • ethanwcheatham@gmail.com • linkedin.com/in/ethanwch • ethanwc.net • github.com/ethanwc

EDUCATION

University of Washington, Tacoma, WA

BS Computer Science, School of Engineering and Technology

Graduated **June 2019** (105 credits completed in 18 months)

Tacoma Community College, Tacoma, WA

Science Transfer Aug. 2016 - Dec. 2017

EXPERIENCE

Software Development Engineer, Tata Consultancy Services, Bellevue, WA

Aug. 2019 - Current

- Developed content from business requirements and pulled data from databases using AMPscript to dynamically personalize every email
- Automated email delivery for various target audiences across the world at optimal hours with performance alerts
- Performed quality assurance work to ensure templates for generated emails contracts worth millions of dollars contained correct content

PERSONAL PROJECTS

Chatee • React Native • TypeScript • Node.js • Express.js • Cloudinary • MongoDB • Azure • Bootstrap • SCSS

- Planned, Designed, and Developed a feature rich multi-platform web based mobile messaging app
- App allows users to handle friends, create chats and invite members to them. and edit profile information
- Implemented secure authentication with Auth0's JWT node package as well as integration testing with Mocha, SuperTest, and Chai
- Generated API documentation with Swagger, deployed API to Azure App Services

Updog • React • TypeScript • Node.js • Express.js • Cloudinary • MongoDB • Azure • AWS • Bootstrap • HTML5 • SCSS

- Social media website that allows members to message each other, as well as post content and react to it by commenting, liking, or favoriting. Members can edit their profile information, set a profile image and modify their availability status
- Front-end implemented with React in a functional manner as a single page application, deployed via Amazon Amplify
- Back-end implemented with TypeScript as a Node express application deployed to Microsoft Azure App Services

myQ Proximity Opener(In progress) • React Native • TypeScript • Bootstrap • SCSS

- Mobile app that uses device location to open a user's garage door that is connected to myQ's smart garage network when user comes home
- Designing and implementing a model that detects when the user is about to arrive home, in order to open the garage

UNIVERSITY PROJECTS

Wessenger • Java • XML • JavaScript • Node.js • Express.js • PostgreSQL • Heroku • Android Studio

- Android messaging and weather app designed with GitHub storyboard, implemented in a team of four following SCRUM methodologies
- Helped team members understand the application and gave planning advice, organized project and handled merge requests and conflicts
- Designed and implemented UI for all views of the application using various layout components in Android Studio
- Developed an Express based Nodejs API to handle application data, deployed to Heroku Cloud

Alien Extraction • JavaScript • HTML5 • CSS • WebStorm

- Vanilla JavaScript race against the clock game that requires players to constantly mine and sell resources, and purchase fuel and upgrades
- Implemented a custom game loop, input handling, collision handling, animation state logic, game logic, and event driven audio
- Developed solo where other teams had 4 members, received 3.9/4.0 in class

Trigram Generator • Python

- Analyzes given input and generates a story based on the frequencies of words and contextual relation to other words
- Implemented using Python lambda functions to reduce program complexity, resulted in a total of 30 lines of code

Matrix Multiplier • C

- Designed and implemented a multi-threaded matrix multiplier in C that resulted in a multiplicative increase of performance based on CPU

SKILLS & INTERESTS

Languages/Technologies: JavaScript, TypeScript, Java, C, Python, PostgreSQL, MongoDB, HTML5, SCSS

Interests: Motorcycles, Cooking, Baking, Building Electronics(drawing robot, cnc machine), Programming :, Video Games

Activities: Former Member of HuSCII Coding Club

Jan. 2018 - Jun. 2019

AWARDS

Scholarship - One of three students out of 300 awarded a \$3000 scholarship for Academic Interest at Peninsula High School

Jun. 2016