

# Kyle Barnett

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## EDUCATION

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### University of Washington, Seattle

*Bachelor of Science in Chemical Engineering*, June 2018

Minor in Nutritional Sciences | Dean's List Winter & Spring 2018

**Coding Dojo** – 16 Week Full Stack (Python) Web Development Coding Bootcamp

## TECHNOLOGIES & SKILLS

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- Programming: HTML, CSS, and SQL, Django, Javascript + JQuery, Java, Python, Git, AWS, SQLite
- Engineering: AspenPlus, Matlab, SolidWorks, COMSOL
- Administrative: Microsoft Office (Excel, PowerPoint, Word)
- Exemplary troubleshooting and problem-solving abilities with computer programs and software

## PROJECTS

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### User Dashboard – Coding Dojo [[https://github.com/theklbarnett/user\\_dashboard](https://github.com/theklbarnett/user_dashboard)] 2020

- Written end to end in Python using Django framework including an AJAX message/comment delete function
- Validated user login and message/comment feature utilizing SQLite within Django
- Responsive web pages incorporated for enhanced user experience

### Ecommerce – Coding Dojo [<https://github.com/theklbarnett/ecommerce>] 2020

- Backend written using Python (Django framework)
- Created a temporary shopping cart for unregistered users that utilizes the web request's session storage
- Ajax utilizing functions for deleting and updating information within the databases

## EXPERIENCE

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### City of Lynnwood - Wastewater Treatment Plant

*Laboratory Analyst*

**Lynnwood, WA**

*April 2019 - Present*

- Analyzed influent and effluent wastewater data to identify trends of local pollution
- Optimized process controls to increase efficiency of the plant leading to cleaner effluent water
- Troubleshooted experiments to prevent causes of inaccuracy in data
- Analyzed QC data to identify negative trends in laboratory experiments

### Precision Castparts Corporation

*Quality Technician*

**Kent, WA**

*June 2018 – April 2019*

- Designed and performed process control tests to maintain and improve overall process flow
- Analyzed experimental and testing data to troubleshoot problems within the process
- Used a variety of laboratory techniques such as titration and spectroscopy to analyze solution quality
- Issued chemical additions to tested solution vats to stay within military and client specifications

### Washington Athletic Club

*Lifeguard Supervisor*

**Seattle, WA**

*September 2015 – September 2018*

- Ensured a safe swimming environment, with a convivial atmosphere, at this key facility at downtown Seattle's premier athletic club
- Known by management and members, alike, for reliability and sociability