

# CHAUPHAM

## SOFTWARE DEVELOPER

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### EDUCATION

Bachelor's Degree - Computer Science

GRADUATED DEC 2018

Earlham College

GPA: 3.8

### WORK EXPERIENCE

Software Engineer I

FEBRUARY 2019 - PRESENT

RetailMeNot, Inc.

- Developed and maintained services and APIs for Rewards and Accounts
- Web development for customer support tool, rewards on core website, and user profile

*Technologies: Python, AWS, PostgreSQL, JavaScript, React, Java*

Data Engineering Intern

MAY 2018 - AUGUST 2018

Wintermute Systems

- Designed and developed predictive models for cryptocurrency trading.
- Conceptualized, designed, and developed an API for natural language processing of news articles and determining their causal impact on the cryptocurrency market.

*Technologies: Python, Scikit-learn, CausalImpact, SyntaxNet*

Engineering Practicum Intern

MAY 2017 - AUGUST 2017

Google - Supply Chain Data, CorpEng: Apps

- Developed applications to auto-generate database schema and service protocol buffers, including auto-creating and registering control access groups, for auto-generating full API services that follow best practices.
- Created custom protocol buffer options for enforcing best practices in data APIs.

*Technologies: Java, Closure Templates, Protocol Buffers*

System Administrator

AUGUST 2017 - DECEMBER 2018

Earlham College Computer Science Department

- Configure and maintain the servers serving the mathematics and science departments.

*Technologies: Linux, Hypervisors, Unix, Docker*

Software Development Intern

JUNE 2016 - AUGUST 2016

Green Filing, LLC

- Developed programs to scrape PDFs of court forms and convert them into fillable forms. Designed a searchable site to host them within the web application.
- Developed a program to update clients' contact information in our database.

*Technologies: Java, JavaScript, PostgreSQL, LibreOffice, Apache PDFBox*

Web Designer / Developer

JANUARY 2016 - AUGUST 2016

Earlham College Computer Science Department

- Designed, developed, and maintained websites for several departments and organizations.

*Technologies: HTML, CSS, JavaScript, jQuery, WordPress*

### RECENT PROJECTS

[Music From Your Past](#)

APRIL 2017

Full Stack Developer

- Web application for music search from specified time periods and genres.
- Designed and developed the UI, created the database schema.
- Employed Django to link the model, view, and database.

*Technologies: Python, Django, SQL, HTML, CSS, JavaScript*

[Help, Actually](#)

OCTOBER 2016

Back-end Developer - 1st place winner at Revolution UC 2016

- Web extension that provides information about charities when users navigate to their sites.
- Designed and developed programs with IBM AlchemyLanguage API and Google Custom Search API to find news articles and analyze their sentiment.

*Technologies: Python, AlchemyLanguage API, Google Custom Search API*

### COMMUNITY

• Mobile Developer for More Than Words (a United Way project)

• Vice President of Earlham ACM - Women in Computing

• Member of NCWIT - Aspirations in Computing

• Earlham College Theatre Company

### AWARDS

• Facebook GHC 2018 Scholar

• Anita Borg Institute GHC 2016 Scholar

• O'Reilly Conference Diversity and Inclusion 2016 Scholar

• Lesbians Who Tech 2016 Scholar

• Web Summit 2016 Scholar

• Out for Undergrad Tech Conference 2017 + 2018 Scholar

[happee](#) FEBRUARY 2016

Front-end Developer - HackIllinois 2016

• iOS app that tracks your bathroom habits with a mathematical model that calculates when you will need to go to the bathroom.

• Designed and developed the UI.

*Technologies: Swift, Xcode*