

DUNCAN GRUBBS

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Education

University of Rochester, Rochester, NY

Graduation expected May 2021

B.S. Computer Science, Math minor

GPA 3.62 (Dean's List: 4/4 semesters)

HarvardX, EdX CS50 Online course (with Certificate)

December 2016

Selected Relevant Course Work and Technical Projects

Course Work

- Data Structures and Algorithms, Computation and Formal Systems
- Discrete Math, Calculus I, II, III, Linear Algebra and Differential Equations
- Artificial Intelligence, Computer Organization

Projects

Hack4Health (Hack-a-thon Project)

- Earned "Best Use of Open Data" cash prize from the County of Marin
- Used Python and D3.js to create a website that organized ambulance response time data

urSQL (CSC 173 Project)

- Worked in a team of three, building a SQL-style database system in C
- Designed and implemented algorithms for common SQL functions such as Join, Select, Project

Work Experience

BarterOut, Rochester, NY

March 2018 – Present

Full-Stack Engineer

- Build a REST API and Web Client using Express.js, React.js and MongoDB
- Write frontend and backend code and documentation
- Manage a team of 4 developers, assigning tasks based on needs and goals of the organization
- Setup & manage auto-deployment with TravisCI and Heroku, mLab clusters and backups

MV Code Club, Greenbrae, CA

August – December 2016

Coding Instructor

June – July 2017

- Taught programming fundamentals to elementary and middle school students
- Wrote individual feedback regarding students' abilities and progression

Organizations and Leadership

UR DJs, University of Rochester

September 2018 – Present

Member and Business Manager

- Arrange event details and budgets with University staff, submitting food and equipment orders
- Design digital and print media to promote events, using AdobeXD and Facebook

RocHack, University of Rochester

August 2017 – May 2018

Member and Workshop Leader

- Contributed to technical projects in a group environment
- Taught group workshops in web development and programming workflow

Technical Skills

Languages: JavaScript, Java, C, Python, Node, HTML, CSS

Frameworks/Tools: React.js, Redux, Express.js, webpack.js, Jest, TravisCI, Jupyter Notebooks