

# Han Chen

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San Francisco

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## EDUCATION:

### University of California, Davis

*B.S. Computer Science (August 2017)*

**Relevant Coursework:** Data Structures and Programming, Algorithm Design, Software Development and Object Orientated Programming, Probability and Statistics, Cryptography, Software Engineering, Programming Languages, Computer Vision, Web Development, Theory of Computation, Discrete Mathematics

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## SKILLS:

*Programming Languages:* Java, Python, C++, Matlab, HTML5, CSS, Swift, Javascript

*OS:* Mac, Windows, Ubuntu, Fedora

*Languages:* Fluent in English and Mandarin Chinese

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## EXPERIENCE:

**Web Developer** – (September 2015 – June 2016)

*Institute of Transportation Studies, Davis, CA*

- Ported server IPs when the entire site was being migrated to a new server
- Used HTML to manually create and edit webpages that were not compatible with the built-in system
- Created webpages and content on a private server before uploading to the main site to minimize chances of error and preview content
- Communicated with multiple teams to efficiently divide work to meet goals and deadlines

**Webmaster** – (April 2015 – June 2015)

*University of California, Davis, Arts Department*

- Implemented different pods and posts in all sections of the website
  - Revamped the entire faculty page, making it easier to change in the future and updating all faculty information
  - Ensured promptness with team and supervisor in order to discuss upcoming changes and updates in order to get tasks done in a good time
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## RELEVANT PROJECTS

*Dynamic Image Resizing Project:*

- Developed a program that can resize an image based on user input
- Implemented the seam carving technique using dynamic programming together with cumulative energy maps in MATLAB

*Image Recognition Project:*

- Built a system that can take in a selection area of an image from user input, and then find descriptors that match that region in other pictures and frames
- Coded a search implementation that looked through hundreds of frames and thousands of descriptors

*Funix System:*

- Created a copy of the Unix system from nothing but a shell, implementing new functions step by step
- Learned how to work on a big project that can span over a long period of time