

# Alex Betts

Software Developer

## Contact

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🌐 [alettsy.github.io](https://alettsy.github.io)

## Skills

- Programming language polyglot
- UI/UX design with Figma
- Git and SVN version control
- Web development
- Mobile development
- Agile project management with Jira
- Documentation creation with Confluence
- Leadership
- Always eager to learn

## Hobbies

- Programming
- Design
- Origami
- Painting
- Reading
- Hiking
- Travelling
- Swimming

## Personal Profile

I am a skilled and highly-driven software developer with a passion for designing clean, beautiful user interfaces. I am constantly searching for exciting new challenges and I always strive to learn something new every day. I have been writing code ever since I was a little kid, and I started my programming journey with an Arduino. Since that day, I've been hooked on code, and I've taken every opportunity to further my education in the field of computing. I have also taken on many projects using a variety of languages and technologies.

I graduated from university with a first class honors degree in computer science with AI. During my time there, I had one year of industry experience as a student software engineer at Edwards Vacuum. Today, I am a graduate software engineer at Edwards Vacuum, where I mostly write TypeScript, Flutter/Dart, C#, and Python code. I frequently take initiative and often spearhead the development of useful tooling and services for my team and the company, as well as the migration and improvement of current systems to more stable and secure technologies.

When I am not writing code, I can most likely be found hiking through woodlands, doing some origami, or reading a fantasy novel. From time to time, I also like to paint a variety of different scenes and worlds on mini-canvases, and practice my cooking skills.

## Work History

### GRADUATE SOFTWARE ENGINEER

Edwards Vacuum Ltd. | Eastbourne, UK | Aug '23 - Present

Responsibilities:

- Work as part of a team to develop the new common controls platform UI
- Lead the conversion of a big project to a more modern and stable development framework
- Spearhead the development of useful tools for the team to improve productivity and development speed
- Create and manage documentation and tutorials for various aspects of the project using Confluence
- Create and manage designs for the UI and tools using Figma

*Tech Stack:* SvelteKit, Durandal/Knockout, Less CSS, Hapi, C# .NET

*Dev Tools:* Jira, Confluence, Figma, Azure, TeamCity, Upsource, Axosoft, TortoiseSVN

## **STUDENT SOFTWARE ENGINEER**

Edwards Vacuum Ltd | Eastbourne, UK | Aug '21 - Aug '22

This was my Year-in-Industry as part of my computer science course at University.

### *Responsibilities:*

- Work with a team to develop customizable software which can display, manage, and control the vacuum pump systems
- Participate in scrum meetings, such as the daily stand-up and end-of-sprint planning
- Create code reviews of my changes and review other team members' code

*Tech Stack:* Durandal/Knockout, Less CSS, Hapi, C# .NET

*Dev Tools:* TeamCity, Upsource, Axosoft, TortoiseSVN

## **STUDENT SOFTWARE ENGINEER**

Edwards Vacuum Ltd | Eastbourne, UK | Jun '20 - Sep '20

This was a summer placement position where I was tasked with developing a student project.

### *Responsibilities:*

- Design a physical device which interfaces with the vacuum pump controllers and collects data for display
- Create a cross platform application to view and manage the data gathered from the pumps and show any warnings or errors
- Participate in scrum meetings, such as the daily stand-up
- Frequently create and respond to code reviews for any new additions to my project
- Demonstrate to the team new features that I added for continuous feedback and improvement

*Tech Stack:* C (Arduino), Flutter, MQTT

*Dev Tools:* TeamCity, Upsource, Axosoft, TortoiseSVN

## **FLOOR ASSISTANT**

**Flamingo Amusements | Hastings, UK | May '19 - Sep '19**

This was a summer job I undertook to earn extra money for university.

### *Responsibilities:*

- Refilling machines and replacing tickets, as well as troubleshooting problems
- Assisting people with problems and answering any questions they have
- Replacing stock in the prize shop and exchanging tickets for prizes
- Cleaning the machines, dusting, emptying bins, and vacuuming in the evenings

### **OFFICE ASSISTANT**

Motus Zentrum für Physiotherapie | Stuttgart, DE | Aug '17 - Aug '17

This was a two week volunteer position.

*Responsibilities:*

- Scanning patient receipts onto the system and updating records
- Replacing towels and sheets from each room after use
- Cleaning workout machines and mats
- Assisting therapists with some patients

### **ENGINEER APPRENTICE**

Wilmoth's Citroen | Hastings, UK | May '16 - May '16

This was a two week work experience, supervised by my secondary school.

*Responsibilities:*

- Replacing parts on vehicles such as brake pads and lights
- Replacing oil and other fluids in the vehicles
- Diagnosing problems with automatic cars
- Diagnosing problems with embedded systems such as navigation

### **ASSISTANT WEB DEVELOPER**

Battle VA | Battle, UK | Mar '15 - Aug '18

*Responsibilities:*

- Communicating with the customer to discuss ideas
- Taking customer's notes and designs and making a skeleton website
- Adding functionality to the website once the customer is happy with the design
- Responding to feedback and improvements, and modifying the website

*Tech Stack: Joomla, HTML, CSS, JavaScript*

## **Education**

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### **BSc COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE**

University of Kent | Canterbury, UK | Sep '19 - Jun '23

**Grade achieved:** BSc first class with honours

### **A LEVELS**

Bexhill College | Bexhill, UK | Sep '17 - Jun '19

Subjects taken:

- Computer science
- Electronics

- Mathematics

## **GCSE**

Claverham Community College | Battle, UK | Sep '12 - Jun '17

## **Certificates**

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*All my certificates can be viewed on my [LinkedIn](#) profile.*

### **FOUNDATIONAL C# WITH MICROSOFT**

July '24 | Microsoft and freeCodeCamp

Professional Certificate

### **CAREER ESSENTIALS IN CYBER SECURITY**

Dec '23 | Microsoft and LinkedIn

Professional Certificate

### **FIGMA ESSENTIALS TRAINING: THE BASICS**

Nov '23 | LinkedIn Learning


Course Certificate


## **References**

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### **BRETT LAWRENCE**


Software Manager | Edwards Vacuum

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### **DOMINIQUE CHU**

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### **MARK SHEPPARD**

Class Supervisor at University | Neuroscientist and Researcher

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